Operation Guide 2632/2805

CASIO®

Getting Acquainted

Congratulations upon your selection of this CASIO watch. To get the most out of your purchase, be sure to carefully read this manual and keep it on hand for later reference when necessary.

Important!

The fishing/hunting time data, sunrise and sunset data, and moon phase indicator produced by this watch are all based on calculations that use the watch's current time, date, and Home Site settings. Because of this, you should make sure that the current date and time, and your Home Site data are all correct before using such data.
- When fishing or hunting, always take proper precautions to ensure your own personal safety and the personal safety of others around you.
- Note that the fishing/hunting time data, sunrise and sunset data, and moon phase indicator are all based on calculated values. They are provided only for reference purposes.
- See the "Timekeeping" section of this manual for information about setting the current time and date, and about specifying your Home Site.
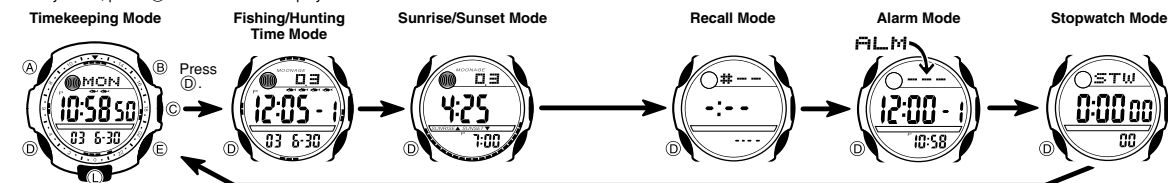
About This Manual

Module 2632

Module 2805

- The operational procedures for Modules 2632 and 2805 are identical. All of the illustrations in this manual show Module 2632.
- 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.
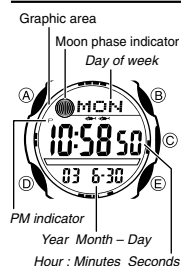
General Guide

- Press Ⓓ to change from mode to mode.
- In any mode, press Ⓛ to illuminate the display.
- In addition to the modes shown here, this watch also has a Time Memo feature.

Timekeeping Mode → Press Ⓓ. → **Fishing/Hunting Time Mode** → **Sunrise/Sunset Mode** → **Recall Mode** → **Alarm Mode** → **Stopwatch Mode**

Timekeeping

Graphic area
Moon phase indicator
Day of week
PM indicator
Year Month – Day
Hour : Minutes Seconds

Use the Timekeeping Mode to set and view the current time, date, and your Home Site.
- The Moon phase indicator shows the current Moon phase in accordance with the current date as kept in the Timekeeping Mode.
- The graphic area that runs around the periphery of the display indicates fishing/hunting times, as well as daylight and nighttime hours.

Important!

Be sure to correctly configure the current time and date, and your Home Site data (data for the site where you use the watch) before using the functions of this watch.
- See "Home Site Data" about specifying your Home Site.

To set the time and date

1. In the Timekeeping Mode, hold down Ⓐ until the seconds start to flash, which indicates the setting screen.
   - While the seconds are flashing, press Ⓔ to reset the seconds count to 00.
2. Press Ⓓ to move the flashing in the sequence shown below to select other settings.

Seconds → Hour → Minutes → 12/24-Hour Format
Day ← Month ← Year
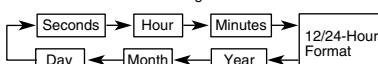
3. While the hour, minutes, year, month, or day setting is flashing, use Ⓔ (+) and Ⓑ (–) to change it.
   - When the 12/24-hour setting is flashing, press Ⓔ to toggle between 12-hour (12H) and 24-hour (24H) timekeeping.
4. Press Ⓐ twice to exit the setting screen.
- The first press of Ⓐ displays the Home Site GMT differential setting screen. Pressing Ⓐ again exits the setting screen.
- When you exit the setting screen after changing the current time and/or date setting, the graphic area around the periphery of the display performs an animated pattern to indicate that the watch is performing internal calculations. This process can continue for as long as 15 seconds. Wait until the animated pattern stops before performing any other button operation.
- The day of the week is automatically displayed in accordance with the date (year, month, and day) settings.

Home Site Data

Moon phase indicator, fishing/hunting time data, and sunrise and sunset data will not be displayed properly unless Home Site data (GMT differential, latitude, and longitude) is configured correctly.
- The GMT differential is a value that indicates the time difference between Greenwich Mean Time and the time zone where a city is located.
- Note that you must add one hour to the current time setting and the GMT differential of your time zone whenever you change to Daylight Saving Time (summer time). Subtract one hour when you change back to Standard Time.
- The "Site Data List" provides GMT differential, latitude, and longitude information around the world.

To configure Home Site data

1. In the Timekeeping Mode, hold down Ⓐ until the seconds start to flash, which indicates the setting screen.
2. Press Ⓐ again to display the GMT differential setting screen.
3. Use Ⓔ (+) and Ⓑ (–) to change it.
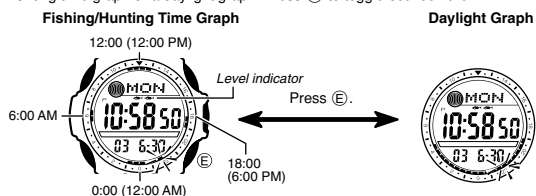   - You can specify a value in the range of –11.0 to +14.0, in 0.5-hour units.
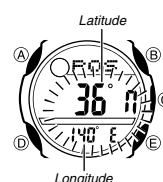
Latitude
Longitude

4. Press Ⓓ to display the Latitude/Longitude setting screen, and then change the setting.
   - Press Ⓑ to change the latitude value and Ⓔ to change the longitude.
   - At first, pressing Ⓑ or Ⓔ increases the value. Press Ⓒ to toggle the Ⓑ and Ⓔ button operations between increase and decrease.
   - You can specify latitude in the range of 65°N to 65°S, and longitude from 179°W to 180°E, both in 1-degree units.
5. Press Ⓐ to exit the setting screen.
- When you exit the setting screen after changing the latitude and/or longitude setting, the graphic area around the periphery of the display performs an animated pattern to indicate that the watch is performing internal calculations. This process can continue for as long as 15 seconds. Wait until the animated pattern stops before performing any other button operation.

Graphic Area

In the Timekeeping Mode, the graphic area can be used to view either a fishing/hunting time graph or a daylight graph. Press Ⓔ to toggle between them.

Fishing/Hunting Time Graph
12:00 (12:00 PM)
6:00 AM
Level indicator
18:00 (6:00 PM)
0:00 (12:00 AM)
Press Ⓔ.

Daylight Graph

- The markings along the display's graphic area show the 24 hours of each day. Each graphic area segment represents 30 minutes. The flashing segment of the graphic area indicates the current time.
- The fishing/hunting time graph indicates the times when fish or game can be expected to be feeding. For more information, see "Using the Fishing/Hunting Time Features".
- The blackened part of the daylight graph indicates nighttime. For more information, see "Sunrise/Sunset Mode".

Using the Fishing/Hunting Time Features

Fishing/hunting time graph
Moon phase indicator
Moon age
Date (Year Month – Day)
Time (Hour : Minutes)
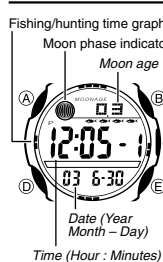
Your watch provides you with information about favorable fishing/hunting times and other data (Moon phase and age) at your Home Site for a particular date. You can even configure a fishing/hunting alarm that alerts you when a favorable fishing/hunting time has been reached.
- The fishing/hunting times shown by your watch are the times when the moon is at its highest point (upper transit), lowest point (lower transit), furthest point the east (east transit), and furthest point to the west (west transit) of your Home Site. These are favorable times for fishing and hunting.
- For more details about the fishing/hunting times, see "Fishing/Hunting Time Calculation".
- See "Moon Phase Indicator" for information about the Moon phase indicator.

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To interpret the Fishing/Hunting Time Mode screen
Use Ⓓ to enter the Fishing/Hunting Time Mode. When you do, the display automatically cycles through the fishing/hunting times for the current date (as kept in the Timekeeping Mode), starting from the upper transit time.
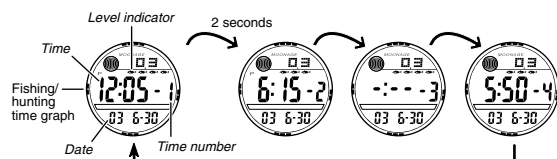

- The time numbers indicate the following: -1 upper transit time, -2 west transit time, -3 lower transit time, -4 east transit time.
- Fishing/hunting times are rounded off to the nearest five minutes.
- If any fishing/hunting time falls outside of the 24-hour period that constitutes the current date, -:-- is displayed in place of the time.
- The level indicator shows the relative favorability of a fishing/hunting time (calculated in accordance with Moon transit and phase) as shown in the table below.

| Moon Phase	Moon Transit	Upper (Hour Angle = 0h) Lower (Hour Angle = 12h)	West (Hour Angle = 6h) East (Hour Angle = 18h)	Other
New moon* Full moon		🐟◄ 🐟◄ 🐟◄ 🐟◄	🐟◄ 🐟◄ 🐟◄	🐟◄
First quarter Last quarter		🐟◄ 🐟◄ 🐟◄	🐟◄ 🐟◄	🐟◄
Other		🐟◄ 🐟◄	🐟◄	None

* *These indicators actually appear during Moon ages 12.1 to 15.7 (Full Moon and phase immediately preceding it) and 26.9 to 0.9 (New Moon and phase immediately preceding it).*
- With Module 2805, the level indicator is 🌙.
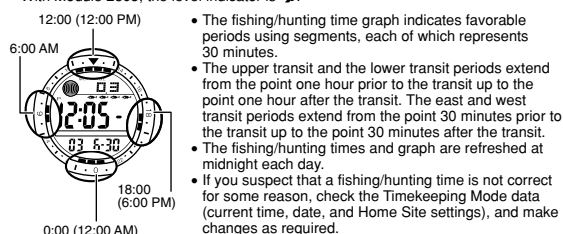
- The fishing/hunting time graph indicates favorable periods using segments, each of which represents 30 minutes.
- The upper transit and the lower transit periods extend from the point one hour prior to the transit up to the point one hour after the transit. The east and west transit periods extend from the point 30 minutes prior to the transit up to the point 30 minutes after the transit.
- The fishing/hunting times and graph are refreshed at midnight each day.
- If you suspect that a fishing/hunting time is not correct for some reason, check the Timekeeping Mode data (current time, date, and Home Site settings), and make changes as required.

To view fishing/hunting times and Moon data for a particular date
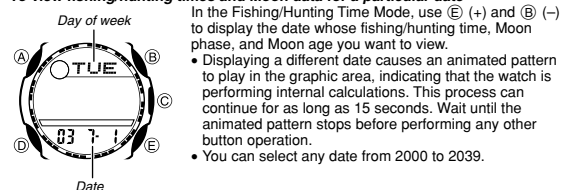
In the Fishing/Hunting Time Mode, use Ⓔ (+) and Ⓑ (–) to display the date whose fishing/hunting time, Moon phase, and Moon age you want to view.
- Displaying a different date causes an animated pattern to play in the graphic area, indicating that the watch is performing internal calculations. This process can continue for as long as 15 seconds. Wait until the animated pattern stops before performing any other button operation.
- You can select any date from 2000 to 2039.

Fishing/Hunting Time Alarm
While the fishing/hunting time alarm is turned on, the watch performs a beeper or vibrator alert operation for about five seconds whenever a favorable fishing/hunting period is approached.
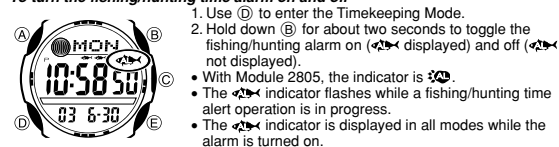- The fishing/hunting alert operation is performed the first time the watch minutes reach 00 or 30 after a favorable fishing/hunting period is entered.
- To stop an alert operation, press any button.
- For full details about the alert operation, see "Selecting the Alert Type".
- Note that the fishing/hunting time alarm is disabled when any one of the following conditions exists.
  While setting the current time or Home Site data
  While the watch is performing internal calculations (indicated by the animated pattern playing in the graphic area)
  While the watch is in the process of changing fishing/hunting time data at midnight each day

To turn the fishing/hunting time alarm on and off

1. Use Ⓓ to enter the Timekeeping Mode.
2. Hold down Ⓑ for about two seconds to toggle the fishing/hunting alarm on (🐟◄ displayed) and off (🐟◄ not displayed).
- With Module 2805, the indicator is 🌙.
- The 🐟◄ indicator flashes while a fishing/hunting time alert operation is in progress.
- The 🐟◄ indicator is displayed in all modes while the alarm is turned on.

Selecting the Alert Type
You can select either beeper or vibrator as the alert for the fishing/hunting time alarm, daily alarm, weekly alarm, and Hourly Time Signal.
- Nearby very magnetic force can cause the watch's vibration alert to become weak or even fail to operate entirely.
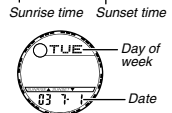
To switch between vibration alert and beeper alert
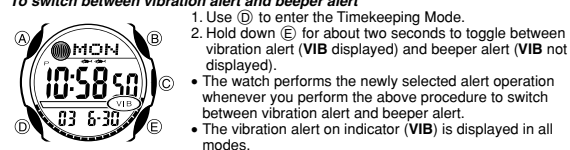
1. Use Ⓓ to enter the Timekeeping Mode.
2. Hold down Ⓔ for about two seconds to toggle between vibration alert (**VIB** displayed) and beeper alert (**VIB** not displayed).
- The watch performs the newly selected alert operation whenever you perform the above procedure to switch between vibration alert and beeper alert.
- The vibration alert on indicator (**VIB**) is displayed in all modes.
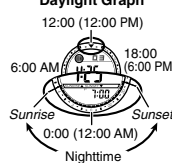
Sunrise/Sunset Mode

You can use the Sunrise/Sunset Mode to look up the sunrise and sunset times, as well as the Moon phase and Moon age at the Home Site on a particular date.

To view the sunrise/sunset time for a particular date
1. Use Ⓓ to enter the Sunrise/Sunset Mode.
   - The sunrise and sunset times that appear first when you enter the Sunrise/Sunset Mode is the data for the Home Site and the date currently specified in the Timekeeping Mode.
2. Use Ⓔ (+) and Ⓑ (–) to scroll through the dates.
- Displaying a different date causes an animated pattern to play in the graphic area, indicating that the watch is performing internal calculations. This process can continue for as long as 15 seconds. Wait until the animated pattern stops before performing any other button operation.

- See "Moon Phase Indicator" for information about the Moon phase indicator.
- You can select any date from 2000 to 2039.

Note

- The daylight graph indicates daytime and nighttime in accordance with the sunrise and sunset times calculated by the watch.
- If you suspect that a sunrise/sunset time is not correct or if the daylight graph does not appear for some reason, check the Timekeeping Mode data (current time, date, and Home Site settings), and make changes as required. If the daylight graph does not appear, it could indicate a problem with the GMT differential or longitude setting.
- The sunrise and sunset times displayed by this watch are times at sea level. Sunrise and sunset times are different at altitudes other than sea level.

- Sunrise and sunset times, and the contents of the daylight graph refresh each day at midnight.
- Sunrise and sunset times are rounded off to the nearest five minutes.

Date	Sunset Time
12/5	ᴾ 4:25
12/6	ᴾ 4:25
12/7	ᴾ 4:30
12/8	ᴾ 4:25
12/9	ᴾ 4:25

- Normally, actual sunrise and sunset times change very little from day to day. Sometimes, however, the watch may show a change of as much as five minutes from one day to the next. Note that this is because the watch calculates sunrise and sunset times, and then rounds the result to the nearest five minutes. It does not indicate malfunction of the watch.
- Sunrise and sunset time calculations are accurate within about five minutes. At north or south latitudes greater than 50 degrees, however, accuracy is within about 10 minutes.
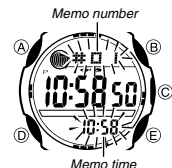
Time Memo
The Time Memo feature of your watch lets you create up to 40 time memos, each of which includes a memo number, as well as the time, date, Moon phase indicator, and the fishing/hunting level indicator at the point when the time memo is recorded. You can create time memos to keep track of how many fish you catch or how much game you bag, as well at the date, time, and Moon phase.
Time memos are automatically sorted chronologically on their date and time fields. You can recall time memos by scrolling through them on the display.
- You can create a time memo while in any mode. However, you cannot create a time memo while a setting screen is on the display.
- Use the Recall Mode to recall and delete time memos.
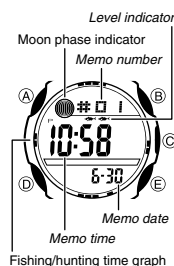- Each memo date shows the month and day only.

To create a time memo

In any mode, hold down Ⓒ for about two seconds until the memo number and memo time flash on the display.
- When you initially press Ⓒ, the memo number and memo time appear on the display. Keep Ⓒ depressed until they start flashing. Note that no time memo is created if you release Ⓒ while the memo number and memo time are not flashing.
- The memo number and memo time flash for about two seconds, and then the display changes to the screen that was displayed before you pressed Ⓒ.
- Note that you cannot create a time memo if the current time is midnight or while the watch is performing a calculation operation.

- Creating a time memo while memory is full deletes the oldest time memo and stores the new one.
- Memo numbers restart from #01 with each new day. Because of this, you can use memo numbers to count how many fish you catch or how much game you bag.
- Memos are numbered starting from #01. If you record more than 99 memos, the 100th memo is numbered #00, and subsequent memo numbering continues in sequence (#01, #02, etc.) after that.
- Note that the memo number count is reset to #01 only when the Timekeeping Mode reaches midnight as a function of normal timekeeping. The count will not be reset if you scroll past midnight while changing the Timekeeping Mode current time setting.

Managing Time Memos
Use the Recall Mode to recall and delete time memos. Use Ⓓ to enter the Recall Mode.
- Entering the Recall Mode initially displays the last time memo you created.
- Performing the time memo delete operation deletes all time memos currently in memory. Note that you cannot delete time memos individually.
- Having the watch's battery replaced will cause all time memos currently in memory to be deleted. Make sure you always keep separate copies of important data.

To recall time memos

Level indicator
Moon phase indicator
Memo number

Memo date
Memo time
Fishing/hunting time graph

In the Recall Mode, use Ⓔ (+) and Ⓑ (–) to scroll through time memos on the display.
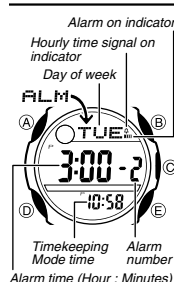• For details about the level indicator and the fishing/hunting time graph, see "To interpret the Fishing/Hunting Time Mode screen".

To delete all time memos
In the Recall Mode, hold down Ⓐ for about two seconds, until CLR flashes on the display.
• When you initially press Ⓐ, CLR appears on the display. Keep Ⓐ depressed until it starts flashing.
• After CLR flashes for about two seconds, the memo number changes to # – –, which indicates that all time memos have been deleted.

Alarms

Alarm on indicator
Hourly time signal on indicator
Day of week

Timekeeping Mode time
Alarm number
Alarm time (Hour : Minutes)

You can set up to five independent alarms with hour, minutes, and day of the week. When an alarm is turned on, an alert operation (beep or vibration) is performed when the alarm time is reached.
You can also turn on an Hourly Time Signal that causes the watch to beep or vibrate twice every hour on the hour.
• There are five alarm screens numbered 1 through 5. The Hourly Time Signal screen is indicated by :00 in place of the alarm time.
• You can configure alarm time settings and Hourly Time Signal settings in the Alarm Mode, which you enter by pressing Ⓓ.
• When you enter the Alarm Mode, the screen you were viewing when you last exited the mode appears first.

Alarm Types
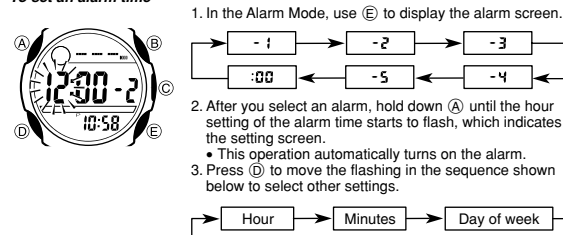The alarm type is determined by the settings you configure, as described below.

• **Daily alarm**
Set the hour and minutes for the alarm time. This type of setting causes an alert operation (beep or vibration) to be performed everyday at the time you set.

• **Weekly alarm**
Set the hour, minutes, and the day of the week for the alarm time. This type of setting causes an alert operation (beep or vibration) to be performed every week at the time you set, on the day of the week you set.

To set an alarm time

1. In the Alarm Mode, use Ⓔ to display the alarm screen.

- 1 → - 2 → - 3
:00 ← - 5 ← - 4

2. After you select an alarm, hold down Ⓐ until the hour setting of the alarm time starts to flash, which indicates the setting screen.
• This operation automatically turns on the alarm.
3. Press Ⓓ to move the flashing in the sequence shown below to select other settings.

Hour → Minutes → Day of week

4. While a setting is flashing, use Ⓔ (+) or Ⓑ (–) to change it.
• To set an alarm that does not include a day of the week (daily alarm), set – – – for the day of the week. Press Ⓔ or Ⓑ until the – – – mark appears (between SAT and SUN) while the day of the week setting is flashing.
• 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).
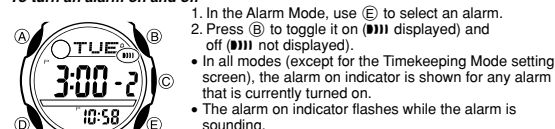5. Press Ⓐ to exit the setting screen.

Alert Operation
The alert operation (beep or vibration) is performed at the preset time for about 10 seconds.
• To stop the alert operation, press any button.
• The alarm and the Hourly Time Signal alert operations (beep or vibration) are performed in all modes except for the Timekeeping Mode setting screen.
• For information about changing the alert type, see "To switch between vibration alert and beeper alert".

To test the alert operation
In the Alarm Mode, hold down Ⓔ to perform the currently selected alert operation.

To turn an alarm on and off

1. In the Alarm Mode, use Ⓔ to select an alarm.
2. Press Ⓑ to toggle it on (●||| displayed) and off (●||| not displayed).
• In all modes (except for the Timekeeping Mode setting screen), the alarm on indicator is shown for any alarm that is currently turned on.
• The alarm on indicator flashes while the alarm is sounding.

To turn the Hourly Time Signal on and off
1. In the Alarm Mode, use Ⓔ to select the Hourly Time Signal (:00).
2. Press Ⓑ to toggle it on (🔔 displayed) and off (🔔 not displayed).
• The Hourly Time Signal on indicator is shown on the display in all modes while the Hourly Time Signal is turned on.

Stopwatch

Hours Seconds
Minutes
1/100 second

The stopwatch lets you measure elapsed time, split times, and two finishes.
• The display range of the stopwatch is 23 hours, 59 minutes, 59.99 seconds.
• The stopwatch continues to run, restarting from zero after it reaches its limit, until you stop it.
• The stopwatch measurement operation continues even if you exit the Stopwatch Mode.
• Exiting the Stopwatch Mode while a split time is frozen on the display clears the split time and returns to elapsed time measurement.
• All of the operations in this section are performed in the Stopwatch Mode, which you enter by pressing Ⓓ.
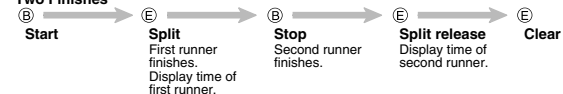
To measure times with the stopwatch

Elapsed Time

| Ⓑ Start | → | Ⓑ Stop | → | Ⓑ Re-start | → | Ⓑ Stop | → | Ⓔ Clear |

Split Time

| Ⓑ Start | → | Ⓔ Split (SPL displayed) | → | Ⓔ Split release | → | Ⓑ Stop | → | Ⓔ Clear |

Two Finishes

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

Backlight

Auto light switch on indicator

The backlight uses an EL (electro-luminescent) panel that causes the entire display to glow for easy reading in the dark. The watch's auto light switch automatically turns on the backlight 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.
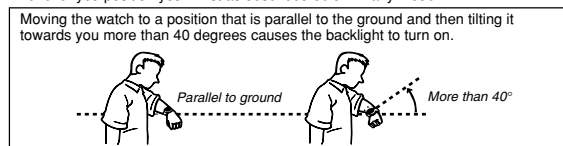• See "Backlight Precautions" for other important information about using the backlight.

To turn on the backlight manually
In any mode, press Ⓛ to illuminate the display for about two seconds.
• The above operation turns on the backlight regardless of the current auto light switch setting.

About the Auto Light Switch
Turning on the auto light switch causes the backlight to turn on for about two seconds, whenever you position your wrist as described below in any mode.

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

Parallel to ground   More than 40°

Warning!
• **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 surprise or distract others around you.**
• **When you are wearing the watch, make sure that its auto light switch is turned off 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 personal injury.**

To turn the auto light switch on and off
In the Timekeeping Mode, hold down Ⓛ for about two seconds to toggle the auto light switch on (**AUTO EL** displayed) and off (**AUTO EL** not displayed).
• The auto light switch on indicator (**AUTO EL**) is on the display in all modes while the auto light switch is turned on.
• In order to protect against running down the battery, the auto light switch automatically turns off approximately six hours after you turn it on. Repeat the above procedure to turn the auto light switch back on if you want.

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.

Moon Phases and Moon Age
The Moon goes through a regular 29.53-day cycle during which it appears to wax and wane due to how the Sun illuminates the Moon and the relative positioning of the Earth, Moon, and Sun. The greater the angular distance between the Moon and the Sun,* the more we see illuminated.
 *The angle to the Moon in relation to the direction at which the Sun is visible from the Earth.
The Moon age indicates the number of days from the New Moon to any particular phase. It is normally calculated using either noon or midnight as a reference point. This watch calculates the Moon age based on the angular distance of the Moon at noon, which can result in an error of ±1 day. Because of this, the appearance of the Moon phase indicator may be different from that of the actual Moon.
The watch uses the following formula to calculate Moon age.
Moon Age (days) = 29.53 X (Moon angular distance / 360°)

Moon Phase Indicator
The Moon phase indicator of this watch indicates the current phase of the Moon as shown below.

Moon phase (Part you cannot see)   (Part you can see)

Moon Phase Indicator								
Moon Age	28.7 - 29.5 / 0.0 - 0.9	1.0 - 2.7	2.8 - 4.6	4.7 - 6.4	6.5 - 8.3	8.4 - 10.1	10.2 - 12.0	12.1 - 13.8
Moon Phase	New Moon				First Quarter (Waxing)			
Moon Phase Indicator								
Moon Age	13.9 - 15.7	15.8 - 17.5	17.6 - 19.4	19.5 - 21.2	21.3 - 23.1	23.2 - 24.9	25.0 - 26.8	26.9 - 28.6
Moon Phase	Full Moon				Last Quarter (Waning)			

- The Moon phase indicator shows the Moon as viewed at noon from a position in the Northern Hemisphere looking south. Note that at times the image shown by the Moon phase indicator may differ from that of the actual Moon in your area.
- The left-right orientation of the Moon phase is reversed when viewing from the Southern Hemisphere or from a point near the equator.
- The Moon phase indicator refreshes each day at midnight.

Fishing/Hunting Time Calculation
The fishing/hunting times calculated by this watch are based on the long experience of fishermen and hunters that the movements of the moon and tides affect fish and game. The following explains how the moon's transit (position) affects the feeding patterns of fish and game.

Upper Transit
○ — Moon
West Transit ○   East Transit ○
Earth
○
Lower Transit
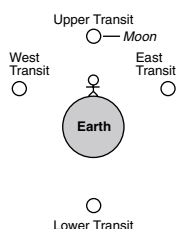
- During the month, the most feeding action can be expected on the day of the New Moon and Full Moon, making them the best for hunting and fishing. Favorable conditions with less action can be expected on the day of the First Quarter and Last Quarter as well.
- On a daily basis, optimum hunting and fishing conditions occur at the upper transit (hour angle= 0h) and the lower transit (hour angle = 12h). Other less favorable conditions can be expected at the west transit (hour angle 6h) and east transit (hour angle = 18h).
- The upper transit is when the Moon reaches its highest point relative to your current location, while the lower transit is when the Moon reaches its lowest point. The time it takes to perform one cycle from one upper transit to the next upper transit is the "lunar day". Due to the relationship between the Earth's rotation and the Moon's orbit, the length of the lunar day is 24 hours and 50 minutes.

- Note that water temperature, weather, atmospheric pressure, and other factors can also affect fish and animal behavior.
Your watch calculates the current Moon age, phase, and transit (hour angle) for the current date in relation to your Home Site, and then uses the calculated result to calculate and display fishing/hunting time data.

Auto Return Feature
If you leave a screen with flashing digits on the display for two or three minutes without performing any operation, the watch automatically exits the setting screen.

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

Timekeeping
- Resetting the seconds to 00 while the current count is in the range of 30 to 59 causes the minutes to be increased by 1. In the range of 00 to 29, the seconds are reset to 00 without changing the minutes.
- With the 12-hour format, the **P** (PM) indicator appears on the display for times in the range of noon to 11:59 p.m. and no indicator appears for times in the range of midnight to 11:59 a.m.
- With the 24-hour format, times are displayed in the range of 0:00 to 23:59, without any indicator.
- The 12-hour/24-hour timekeeping format you select in the Timekeeping Mode is applied in all modes.
- The year can be set in the range of 2000 to 2039.
- 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.

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

Auto light switch precautions
- Wearing the watch on the inside of your wrist and movement or vibration of your arm can cause the auto light switch to activate and illuminate the display. To avoid running down the battery, turn off the auto light switch whenever engaging in activities that might cause frequent illumination of the display.

More than 15 degrees too high

- The backlight may not light 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.
- The backlight turns off in about two 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 the backlight does not light, 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 up again.
- Under certain conditions, the backlight may not light until about one second after you turn the face of the watch towards you. This does not necessarily indicate malfunction of the backlight.

CASIO®

Site Data List

Site	GMT Differential		Longitude	Latitude
	Standard Time	DST/Summer Time		
ABIDJAN	0.0	1.0	4°W	5°N
ABU DHABI	4.0	5.0	54°E	24°N
ADDIS ABABA	3.0	4.0	39°E	9°N
ADEN	3.0	4.0	45°E	13°N
AMSTERDAM	1.0	2.0	5°E	52°N
ANCHORAGE	−9.0	−8.0	149°W	61°N
ATHENS	2.0	3.0	24°E	38°N
AZORES	−1.0	0.0	25°W	38°N
BANGKOK	7.0	8.0	101°E	14°N
BEIJING	8.0	9.0	116°E	40°N
BEIRUT	2.0	3.0	36°E	34°N
BOGOTA	−5.0	−4.0	74°W	5°N
BOSTON	−5.0	−4.0	71°W	42°N
BRASILIA	−3.0	−2.0	48°W	16°S
BUENOS AIRES	−3.0	−2.0	58°W	35°S
CAPE TOWN	2.0	3.0	18°E	34°S
CARACAS	−4.0	−3.0	67°W	11°N
CASABLANCA	0.0	1.0	8°W	34°N
CHICAGO	−6.0	−5.0	88°W	42°N
CHRISTCHURCH	12.0	13.0	173°E	44°S
DAKAR	0.0	1.0	17°W	15°N
DALLAS FORT WORTH	−6.0	−5.0	97°W	33°N
DAMASCUS	2.0	3.0	36°E	34°N
DENVER	−7.0	−6.0	105°W	40°N
DETROIT	−5.0	−4.0	83°W	42°N
DHAKA	6.0	7.0	90°E	24°N
DUBAI	4.0	5.0	55°E	25°N
DUBLIN	0.0	1.0	6°W	53°N
EDMONTON	−7.0	−6.0	114°W	54°N
EL PASO	−7.0	−6.0	106°W	32°N
FRANKFURT	1.0	2.0	9°E	50°N
GOLD COAST	10.0	11.0	154°E	28°S
GUAM	10.0	11.0	145°E	13°N
HAMBURG	1.0	2.0	10°E	54°N
HANOI	7.0	8.0	106°E	21°N
HELSINKI	2.0	3.0	25°E	60°N
HONG KONG	8.0	9.0	114°E	22°N
HONOLULU	−10.0	−9.0	158°W	21°N
HOUSTON	−6.0	−5.0	95°W	30°N
ISTANBUL	2.0	3.0	29°E	41°N
JAKARTA	7.0	8.0	107°E	6°S
JEDDAH	3.0	4.0	39°E	22°N
KARACHI	5.0	6.0	67°E	25°N
KUALA LUMPUR	8.0	9.0	102°E	3°N
KUWAIT	3.0	4.0	48°E	29°N
LA PAZ	−4.0	−3.0	68°W	17°S
LAS VEGAS	−8.0	−7.0	115°W	36°N
LIMA	−5.0	−4.0	77°W	12°S
LISBON	0.0	1.0	9°W	39°N
LONDON	0.0	1.0	0°E	52°N
LOS ANGELES	−8.0	−7.0	118°W	34°N
MADRID	1.0	2.0	4°W	40°N
MANILA	8.0	9.0	121°E	15°N
MELBOURNE	10.0	11.0	145°E	38°S
MEXICO CITY	−6.0	−5.0	99°W	19°N
MIAMI	−5.0	−4.0	80°W	26°N
MILAN	1.0	2.0	9°E	45°N
MONTEVIDEO	−3.0	−2.0	56°W	35°S
MONTREAL	−5.0	−4.0	74°W	46°N
MUSCAT	4.0	5.0	59°E	24°N
NADI	12.0	13.0	177°E	18°S
NAIROBI	3.0	4.0	37°E	1°S
NAURU ISLAND	12.0	13.0	167°E	1°S
NEW ORLEANS	−6.0	−5.0	90°W	30°N
NEW YORK	−5.0	−4.0	74°W	41°N
NOME	−9.0	−8.0	165°W	64°N
NOUMEA	11.0	12.0	166°E	22°S
PAGO PAGO	−11.0	−10.0	171°W	14°N
PANAMA CITY	−5.0	−4.0	80°W	9°N
PAPEETE	−10.0	−9.0	150°W	18°S
PARIS	1.0	2.0	2°E	49°N
PERTH	8.0	9.0	116°E	32°S
PHNOM PENH	7.0	8.0	105°E	12°N
PORT OF SPAIN	−4.0	−3.0	62°W	11°N
PORT VILA	11.0	12.0	168°E	18°S
PRAIA	−1.0	0.0	24°W	15°N
PYONGYANG	9.0	10.0	126°E	39°N
RIYADH	3.0	4.0	47°E	25°N
ROME	1.0	2.0	13°E	42°N
SAN FRANCISCO	−8.0	−7.0	122°W	38°N
SANTIAGO	−4.0	−3.0	71°W	33°S
SAO PAULO	−3.0	−2.0	47°W	24°S
SEATTLE	−8.0	−7.0	122°W	48°N
SEOUL	9.0	10.0	127°E	38°N
SHANGHAI	8.0	9.0	121°E	31°N
SINGAPORE	8.0	9.0	104°E	1°N
STOCKHOLM	1.0	2.0	18°E	59°N
SYDNEY	10.0	11.0	151°E	34°S
TAIPEI	8.0	9.0	121°E	25°N
TOKYO	9.0	10.0	140°E	36°N
ULAANBAATAR	8.0	9.0	107°E	48°N

Site	GMT Differential		Longitude	Latitude
	Standard Time	DST/Summer Time		
VANCOUVER	−8.0	−7.0	123°W	49°N
VIENNA	1.0	2.0	16°E	48°N
VIENTIANE	7.0	8.0	103°E	18°N
WELLINGTON	12.0	13.0	175°E	41°S
WINNIPEG	−6.0	−5.0	97°W	50°N

• Based on data as of 2003.