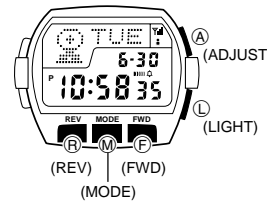


GETTING ACQUAINTED

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

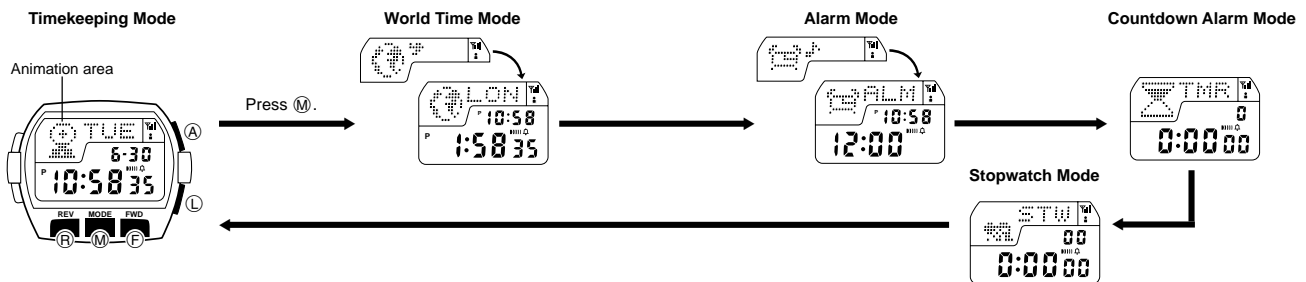
About this manual



- Button operations are indicated using the letters shown in the illustration.

GENERAL GUIDE

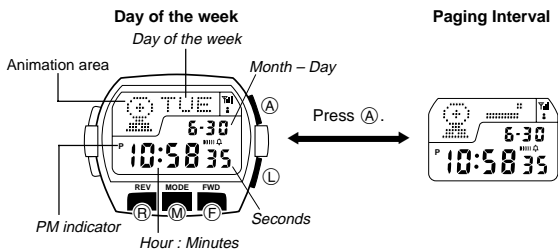
- Press (M) (MODE) to change from mode to mode. After you perform an operation in any mode, pressing (M) returns to the Timekeeping Mode.
- In addition to the modes shown below, this watch also features a VIVCEL function that performs cell phone paging operations.
- The animation area shows different animated figures and graphics, depending on the mode and the operation being performed.



TIMEKEEPING MODE

This section provides information on setting the time and using the backlight.

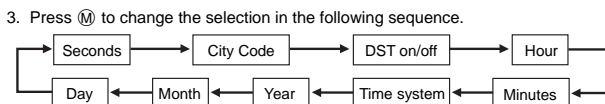
- Pressing (A) (ADJUST) in the Timekeeping Mode toggles the animation area between the day of the week and graphics that show when the paging operation is activated.



- See "VIVCEL" for details on the paging interval.
- Timekeeping Mode is linked with World Time Mode time, so be sure to select the city code for your current location before setting the time in the Timekeeping Mode.

To set the city code, time, and date

1. Hold down (A) while in the Timekeeping Mode until the seconds digits start to flash on the display. The seconds flash because they are selected.
 - In this Timekeeping Mode setting screen, the animation area shows the year and time system indicator.
2. While the seconds digits are selected (flashing), press (FWD) (FWD) to reset the seconds to 00.
 - If you press (FWD) while the seconds count is in the range of 30 to 59, the seconds are reset to 00 and 1 is added to the minutes. If the seconds count is in the range of 00 to 29, the minutes count is unchanged.



- See "To switch between standard time and daylight saving time" for details on DST On/Off setting.

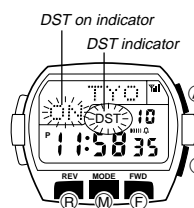
3. Press (M) to change the selection in the following sequence.
4. Press (M) until the city code is flashing on the display.
5. Use (FWD) and (REV) (REV) to scroll through the city codes until you find the one you want to set as your home city.
 - (FWD) scrolls forward, while (REV) scrolls back through the city codes. Holding down either button scrolls through the city codes at high speed.
 - See the "CITY CODE TABLE" at the back of this manual for a complete list of available codes.

- The GMT differential is difference between the time in the displayed time and Greenwich Mean Time (GMT). The GMT differentials used by this watch are based on Universal Time Coordinated (UTC) data.

6. Press (M) until the hour digits are flashing on the display.
7. Press (FWD) to increase the setting or (REV) to decrease it. Holding down either button changes the setting at high speed.
8. Repeat steps 6 and 7 to set the minutes, year, month, and day.
9. The time system is selected (flashing), press (FWD) to switch between the 12-hour (12H) and 24-hour (24H) formats.
 - When the 12-hour format is selected, the 12H indicator appears on the display. With the 12-hour format, the P (PM) indicator appears on the display to indicate "p.m." times. There is no indicator for "a.m." times.
 - Selecting the 24-hour format causes the 24H and the 24 indicators to appear on the display.
9. After you make the settings you want, press (A) to return to the Timekeeping Mode.
 - The day of the week is automatically set in accordance with the date.
 - The date can be set within the range of January 1, 1995 to December 31, 2039.
 - If you do not operate any button for a few minutes while a selection is flashing, the flashing stops and the watch goes back to the Timekeeping Mode automatically.

To switch between standard time and daylight saving time

Daylight saving time (DST), which is also sometimes called "summer time," advances the time for one hour, as is the custom in some areas during the summer. Remember that not all countries or even local areas use Daylight Saving Time.



1. Hold down (A) while in the Timekeeping Mode until the seconds digits start to flash on the display. The seconds flash because they are selected.
2. Press (M) twice to move the flashing to the DST on/off setting.
3. Press (FWD) to toggle daylight saving time on (DST) and off (DST).
4. After you make the setting you want, press (A) to return to the Timekeeping Mode.
 - The DST indicator appears on the display to indicate that daylight saving time is turned on.

About the backlight

The backlight uses an EL (electro-luminescent) panel that causes the entire display to glow for easy reading in the dark. Pressing (L) (LIGHT) in any mode turns on the EL backlight for about three seconds.

- The backlight remains lit for about three seconds from the point you press (L), even if it is already lit when you press (L). If you keep depressed for three seconds, the backlight will automatically turn off.
- Pressing (L) lights the backlight and causes a 10-second animation to play.
- The electro-luminescent panel loses illuminating power after very long use.
- The illumination provided by the backlight may be hard to see when viewed under direct sunlight.
- The watch will emit an audible sound whenever the display is illuminated. This is caused by a transformer that vibrates when the EL panel lights up. It does not indicate malfunction of the watch.
- The backlight automatically turns off whenever an alarm sounds or a paging operation is performed.

VIVCEL

The VIVCEL function performs a vibration paging operation when your cell phone receives a call. The vibration paging operation lasts for up to 10 seconds, or until you press any watch button.

VIVCEL Settings

The following explains the settings you need to make to use the VIVCEL functions. See "To make VIVCEL settings" for details on actually making the settings.

Cell Phone System

VIVCEL can be used with cell phones only. It cannot be used with other (non-cell) telephones.

Cell phone system compatibility depends on your watch's "module" number, which can be found on its back cover. The following shows telephone system compatibility for each module.

Module 1506 (AMPS compatible)

Telephone System	Watch Setting
Digital cell phone	DIGTL
Analog cell phone	ANLOG
Digital/analog cell phone switching	DUAL

Module 1507 (GSM compatible)

Telephone System	Watch Setting
GSM network cell phone	DIGTL
Non-GSM network cell phone	ANLOG

- See the documentation that comes with your cell phone for information about which type it is.
- Module 1507 may not be compatible with certain non-GSM network phone systems.

Paging Interval

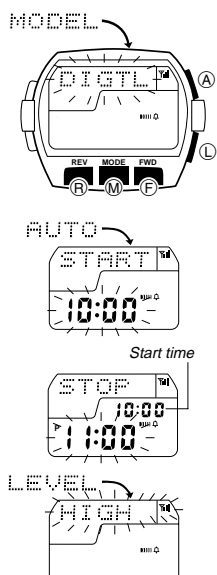
Presetting a start time and end time defines the "paging interval". VIVCEL is activated each day during the paging interval and deactivated outside the paging interval (as long as VIVCEL is turned on). You can specify the hour only for these times, within the range of 1 (1 o'clock) to 24 (midnight).

Sensitivity

The VIVCEL paging function operates by picking up signals from your cell phone. The sensitivity setting determines how close a cell phone has to be from the watch for it to pick up these signals.

Watch Setting	Approximate Distance	When to use
HIGH	1 meter (40 inches)	When your phone is in a pocket that is away from the watch.
LOW	50 centimeters (20 inches)	When your phone is located near the watch. When there are other cell phone users nearby.

To make VIVCEL settings



1. Hold down (A) while in the Timekeeping Mode until the seconds digits start to flash on the display.
2. Press (L) to display the cell phone system setting screen.
 - At this time the current cell phone system indicator (DIGTL, ANLOG, or DUAL) flashes on the display.
3. Press (R) or (F) to scroll through the available cell phone system indicators until the one you want is displayed.
4. Press (M) to advance to the start time setting screen.
 - At this time the current start time setting flashes on the display.
5. Press (F) to increase the time or (R) to decrease it. Holding down either button changes the start time setting at high speed.
6. Press (M) to advance to the end time setting screen.
 - At this time the current end time setting flashes on the display.
7. Press (F) to increase the time or (R) to decrease it. Holding down either button changes the end time setting at high speed.
8. Press (M) to advance to the sensitivity setting screen.
 - At this time the current sensitivity setting flashes on the display.
9. Press (R) or (F) to toggle between the sensitivity settings.

10. After you make the settings you want, press (A) to return to the Timekeeping Mode.

- Pressing (M) instead of (A) returns to the screen in step 2.
- If you do not operate any button for a few minutes while a selection is flashing, the watch goes back to the Timekeeping Mode automatically.

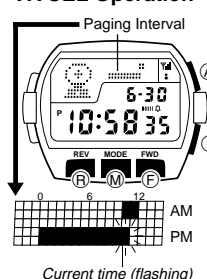
To turn VIVCEL on and off



In the Timekeeping Mode, hold down (F) for about one second to toggle VIVCEL on (() displayed in the animation area) and off (() displayed).

- When VIVCEL is turned off, the animation area shows a sleeping figure (().
- While VIVCEL is turned on, it becomes activated when the current time is within the paging interval defined by the VIVCEL start and end times. The animation area of the display shows a moving antenna figure (() and () is displayed while VIVCEL is activated. Outside the paging interval defined by the VIVCEL start and end times, VIVCEL is deactivated and the animation area of the display shows a non-moving antenna figure (().

VIVCEL Operation



Note that for VIVCEL to operate correctly, it must be turned on (by holding down (F)) and activated (the current time is within the paging interval defined by the VIVCEL start and end times).

- Pressing (A) in the Timekeeping Mode toggles the animation area between the day of the week and the paging interval.
- The paging interval is indicated by a bar graph in the animation area. The nearby illustration indicates a paging interval of 10 am to 11 pm.
- VIVCEL automatically activates and deactivates during the defined paging interval.

Manual VIVCEL Activation

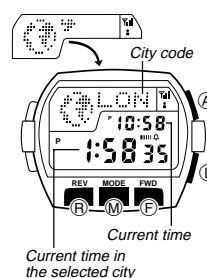
Press (R) in the Timekeeping Mode to add two to the current paging interval hour and round the minutes digits to zero. This means that if it is 10:58 p.m. when you press (R), the paging interval is extended up to 00:00 a.m. Each press of (R) adds two hours, up to a total of eight hours.

- Pressing (R) while VIVCEL is deactivated (outside the paging period), activates VIVCEL. The watch vibrates when VIVCEL is activated.
- The (R) button can be used to extend the paging interval for up to eight hours (four (R) button operations).
- Any extension of the paging interval with the (R) button is automatically cancelled whenever you turn off VIVCEL or change any of its settings.

VIVCEL Precautions

- Since VIVCEL operates by picking up signals from your cell phone, a paging operation may also be triggered by an outgoing call or even while a call is in progress. A paging operation can also be triggered by another cell phone or other device operating on the same frequency as your cell phone.
- Any of the following conditions can cause interference with VIVCEL paging operations.
 - Obstruction between the watch and cell phone*
 - Sensitivity set to L (LOW) while the watch is located away from the cell phone*
 - Use with a non-compatible telephone system*
- Frequent use of VIVCEL paging can shorten battery life.
- **Turn off VIVCEL before operating a motor vehicle or bicycle to avoid the chance of accident caused by a paging operation while operating a vehicle.**

WORLD TIME MODE



The World Time Mode shows the current time in 27 cities (29 time zones) around the world.

Timekeeping in the World Time Mode

The current time in all the World Time zones is calculated in accordance with the Greenwich Mean Time (GMT) differential for each zone, based on the current home time setting in the Timekeeping Mode. You can also turn Daylight Saving Time (DST) on or off separately for each time zone. Turning on daylight saving time automatically advances the corresponding time setting by one hour.

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

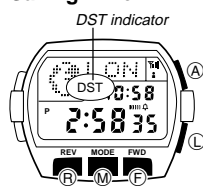
- The 12-hour/24-hour format of the World Time matches the format you select in the Timekeeping Mode.
- With daylight saving time, clocks are set one hour forward in order to better take advantage of daylight hours during the summer, when days are longer. Whether or not daylight saving time is used depends on the country you are in.

To view the Time in Another Zone

Press (F) while in the World Time Mode to scroll forward through the city codes (time zones) and (L) to scroll back.

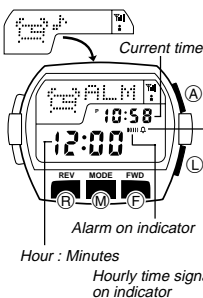
- Holding down either button scrolls through the city codes at high speed.
- For full information on city codes, see the "CITY CODE TABLE" at the back of this manual.
- The time zone that is displayed when you leave the World Time Mode will still be displayed when you enter the World Time Mode again.

To switch a Zone between Standard Time and Daylight Saving Time



- In the World Time Mode, display the time zone (city code) whose standard time/daylight saving time setting you want to change.
- You can make separate settings for each zone (city).
- Hold down (A) for about two seconds to toggle daylight saving time on (DST displayed) and off (DST not displayed).
- The DST indicator appears whenever daylight saving time is turned on for the zone (city) whose time is currently on the display.

ALARM MODE



- When the Daily Alarm is turned on, an alarm operation (tone or vibration) is performed for 20 seconds at the preset time each day. Press any button to stop the alarm operation after it starts. A time signal operation (tone or vibration) is performed every hour on the hour while the Hourly Time Signal is turned on.
- You can select either tone or vibration for the alarm and hourly time signal operations.
 - Alarm and hourly time signal operations are performed in accordance with the time kept in the Timekeeping Mode.

To set the alarm time

- Hold down (A) while in the Alarm Mode until the hour digits start to flash on the display. The hour digits flash because they are selected.
- Press (M) to change the selection in the following sequence.

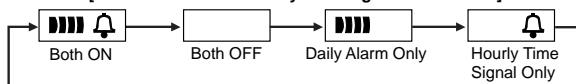


- Press (F) to increase the setting or (R) to decrease it. Holding down either button changes the setting at high speed.
- The format (12-hour and 24-hour) of the alarm time matches the format you select for normal timekeeping.
- When setting the alarm time using the 12-hour format, take care to set the time correctly as morning (no indicator) or afternoon (P indicator).
- After you set the alarm time, press (A) to return to the Alarm Mode.
- If you do not operate any button for a few minutes while a selection is flashing, the flashing stops and the watch goes back to the Alarm Mode automatically.

To turn the Daily Alarm and Hourly Time Signal on and off

Press (F) while in the Alarm Mode to change the status of the Daily Alarm and Hourly Time Signal in the following sequence.

[Alarm On Indicator/Hourly Time Signal On Indicator]



To switch between Tone and Vibration

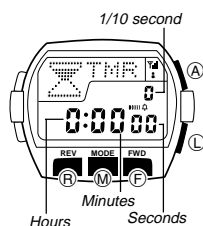


- Each press of (R) in the Alarm Mode toggles between vibration (VIB displayed) and tone (VIB not displayed) for the alarm and hourly time signal operations.
- The selection you make here is also applied for the Countdown Alarm.

To test the alarm operation

In the Alarm Mode, hold down (F) to perform the currently selected alarm operation.

COUNTDOWN ALARM MODE

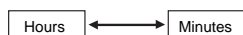


The countdown timer can be set within a range of 1 minute to 24 hours. When the countdown reaches zero, a countdown alarm operation (vibration or tone) is performed for about 10 seconds.

- Use the procedure under "To switch between Tone and Vibration" to select vibration or tone for the Countdown Alarm.

To set the countdown time

- Hold down (A) while in the Countdown Alarm Mode until the hours digit starts to flash on the display. The hours digit flashes because it is selected.
- Press (M) to change the selection in the following sequence.

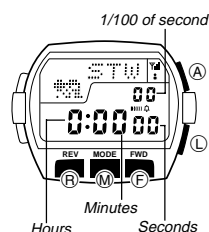


- Press (F) to increase the setting or (R) to decrease it. Holding down either button changes the setting at high speed.
- To set the starting value of the countdown time to 24 hours, set 0:00.
- After you set the countdown time, press (A) to return to the Countdown Alarm Mode.
- If you do not operate any button for a few minutes while a selection is flashing, the flashing stops and the watch goes back to the Countdown Alarm Mode.

To use the countdown timer

- Press (F) while in the Countdown Alarm Mode to start the countdown timer.
- When the countdown reaches zero, the Countdown Alarm operation is performed for about 10 seconds or until you stop it by pressing any button. The countdown time is automatically reset to its starting value after the Countdown Alarm operation stops.
 - Press (F) while a countdown operation is in progress to pause it. Press (F) again to resume the countdown.
 - To complete stop a countdown operation, first pause it (by pressing (F)), and then press (R). This returns the countdown time to its starting value.

STOPWATCH MODE



The Stopwatch Mode lets you measure elapsed time, split times, and 1st-2nd place times. The range of the stopwatch is 23 hours, 59 minutes, 59.99 seconds.

- (a) Elapsed time measurement
- (F) → (F) → (F) → (F) → (R)
- Start Stop Re-start Stop Clear
- (b) Split time measurement
- (F) → (R) → (R) → (F) → (R)
- Start Split Split release Stop Clear
- (c) Split time and 1st-2nd place times
- (F) → (R) → (F) → (R) → (R)
- Start Split Stop Split release Clear
- First runner finishes. Second runner finishes. Record time of first runner. Record time of second runner.

CITY CODE TABLE

City Code	City	GMT Differential	Other major cities in same time zone
--			
HNL	HONOLULU	-11	PAGO PAGO
ANC	ANCHORAGE	-10	PAPEETE
LAX	LOS ANGELES	-09	NOME
		-08	SAN FRANCISCO, LAS VEGAS, VANCOUVER, SEATTLE, DAWSON CITY
DEN	DENVER	-07	EL PASO, EDMONTON
CHI	CHICAGO	-06	HOUSTON, DALLAS/FORT WORTH, NEW ORLEANS, MEXICO CITY, WINNIPEG
NYC	NEW YORK	-05	MONTREAL, DETROIT, MIAMI, BOSTON, PANAMA CITY, HAVANA, LIMA, BOGOTA
CCS	CARACAS	-04	LA PAZ, SANTIAGO, PORT OF SPAIN
RIO	RIO DE JANEIRO	-03	SAO PAULO, BUENOS AIRES, BRASILIA, MONTEVIDEO
--		-02	
--		-01	PRAIA
GMT		+00	DUBLIN, LISBON, CASABLANCA, DAKAR, ABIDJAN
LON	LONDON		
PAR	PARIS	+01	MILAN, ROME, MADRID, AMSTERDAM, ALGIERS, HAMBURG, FRANKFURT, VIENNA, STOCKHOLM, BERLIN
CAI	CAIRO	+02	ATHENS, HELSINKI, ISTANBUL, BEIRUT, DAMASCUS, CAPE TOWN
JRS	JERUSALEM		
JED	JEDDAH	+03	KUWAIT, RIYADH, ADEN, ADDIS ABABA, NAIROBI
THR	TEHRAN	+3.5	SHIRAZ
DXB	DUBAI	+04	ABU DHABI, MUSCAT
KBL	KABUL	+4.5	
KHI	KARACHI	+05	
DEL	DELHI	+5.5	MUMBAI, CALCUTTA
DAC	DHAKA	+06	COLOMBO
RGN	YANGON	+6.5	
BKK	BANGKOK	+07	JAKARTA, PHNOM PENH, HANOI, VIENTIANE
HKG	HONG KONG	+08	SINGAPORE, KUALA LUMPUR, BEIJING, TAIPEI, MANILA, PERTH, ULAANBAATAR
TYO	TOKYO	+09	SEOUL, PYONGYANG
ADL	ADELAIDE	+9.5	DARWIN
SYD	SYDNEY	+10	MELBOURNE, GUAM, RABAUL
NOU	NOUMEA	+11	PORT VILA
WLG	WELLINGTON	+12	CHRISTCHURCH, NADI, NAURU ISLAND

* Based on data as of June 1998.