

USER'S GUIDE 2733

CASIO®

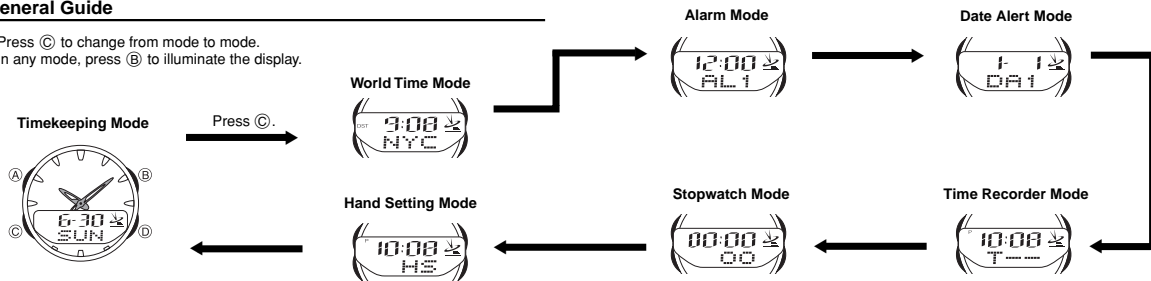
About This Manual



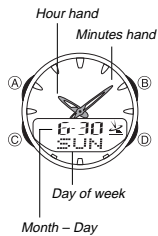
- Button operations are indicated using the letters shown in the illustration.
- Each section of this manual provides you with the information you need to perform operations in each mode. Further details and technical information can be found in the "Reference" section.

General Guide

- Press (C) to change from mode to mode.
- In any mode, press (B) to illuminate the display.



Radio-controlled Timekeeping



This watch is designed to pick up a time calibration signal transmitted from Mainflingen, Germany (located 25 kilometers southeast of Frankfurt), and update its time setting accordingly. The time calibration signal includes both Standard Time and Daylight Saving Time (summer time) data.

Current Time Setting

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

- The first thing you should do after purchasing this watch is to set your Home City, which is the city where you will normally use the watch. For more information, see "To set your Home City" below.
- See "Setting the Digital Time and Date Manually" for information about manual settings.
- The analog time of this watch is synchronized with the digital time. Because of this, the analog time setting is automatically adjusted whenever you change the digital setting. See "Analog Timekeeping" for more information.

To set your Home City



- In the Timekeeping Mode, hold down (A) until the city code starts to flash, which indicates the setting screen.
 - Use (D) (+) and (C) (-) to select the city code you want to use as your Home City.
 - The following are the city codes for major cities in the Western Europe time zones.
 - EER and FRF: Berlin, Paris, Milan, Rome, Amsterdam, Hamburg, Frankfurt, Vienna
 - LON: London
 - Press (A) twice 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 can also perform manual receive or you can set the time manually.
 - If you are in an area that does not use Daylight Saving Time (summer time), turn off the DST setting.

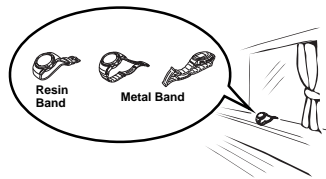
Time Calibration Signal Reception

There are two different methods you can use to receive the time calibration signal: auto receive and manual receive.

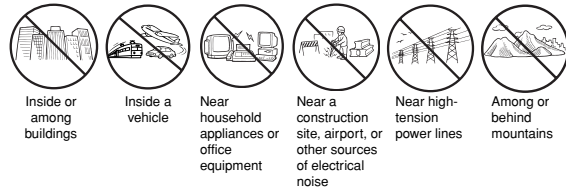
- **Auto Receive**
With auto receive, the watch automatically picks up the time calibration signal four times a day at 2:00 AM, 3:00 AM, 4:00 AM, and 5:00 AM. For more information, see "About Auto Receive."
- **Manual Receive**
Manual receive lets you start a time calibration receive operation with the press of a button. For more information, see "To perform manual receive."

Important!

- Position the watch as shown in the nearby illustration, with its 12 o'clock side facing towards a window. Make sure there are no metal objects nearby.

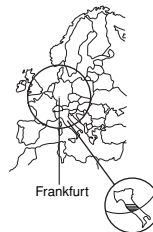


- Proper signal reception can be difficult or even impossible under the conditions listed below.



- Signal reception is normally better at night than during the day.
- Time calibration signal reception takes from two to six minutes. Take care that you do not perform any button operations or move the watch during this time.

- This watch is able to receive the time calibration signal transmitted from Mainflingen, Germany (located 25 kilometers southeast of Frankfurt). Signal reception is possible within the area represented by a circle with a radius of about 1,000 kilometers.
- At distances further than about 500 kilometers, the signal may become weak and reception may be impossible under certain conditions.
- Signal reception may be poor in the shaded area on the map, even though it is within 1,000 kilometers of the signal transmitter.
- See the information under "Signal Receive Troubleshooting" if you experience problems with time calibration signal reception.



About Auto Receive

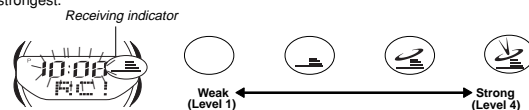
When auto receive is turned on, the watch automatically starts to receive the time calibration signal when the time in the Timekeeping Mode reaches 2:00 AM, 3:00 AM, 4:00 AM, and 5:00 AM each day (calibration times).

Note

- The auto receive operation is performed only if the watch is in the Timekeeping Mode or World Time Mode when one of the calibration times is reached. It is not performed if a calibration time is reached while an alarm is sounding, or while you are making settings (while settings are flashing on the display).
- Auto receipt 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 easily receive the signal.
- When auto receive is turned on, the watch receives the calibration signal for two to six minutes everyday when the time in the Timekeeping Mode reaches each of the four calibration times. Do not perform any button operation within six minutes before or after any of the four calibration times. Doing so can interfere with correct calibration.
- Remember that reception of the calibration signal depends on the time kept in the Timekeeping Mode. The receive operation is performed whenever the display shows one of the four calibration times, regardless of whether or not the Timekeeping Mode time is actually the correct time.
- When two, three, or four receptions are successful, the watch uses the data of the last reception for calibration. When only one reception is successful, the watch uses the data of the successful reception.

About the Receiving Indicator

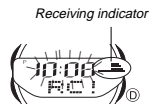
The receiving indicator shows the strength of the calibration signal being received. For best reception, be sure to keep the watch in a location where signal strength is strongest.



- Even in an area where signal strength is strong, it takes about 10 seconds for signal reception to stabilize enough for the receiving indicator to indicate signal strength.
- Use the receiving indicator as a guide for checking signal strength and for finding the best location for the watch during signal receive operations.
- The receiving indicator (Level 4) remains on the display in all modes following reception of the time calibration signal and calibration of the watch's time setting. The receiving indicator (Level 4) is not displayed if signal reception was unsuccessful or after manual adjustment of the current time setting.
- The receiving indicator (Level 4) is displayed only when the watch is able to successfully receive both time and date data. It does not appear when only time data is received.
- The receiving indicator (Level 4) indicates that at least one of the four calibration signal receive operations was successful. Note, however, that the receiving indicator (Level 4) is cleared from the display at 3:00 AM each day.

To perform manual receive

1. Place the watch on a stable surface so its top (12 o'clock side) is facing towards a window.
 - Note that signal reception is poor if the watch is on its back or side.
2. In the Timekeeping Mode, hold down (D) for about two seconds until the watch beeps.
3. Release (D) and the current time flashes to indicate that signal reception has started.
 - Time calibration signal reception takes from two to six minutes. Take care that you do not perform any button operations or move the watch during this time.
 - After signal reception is complete, the display of the watch changes to the Last Signal screen.

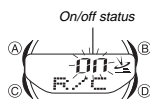


Note

- To interrupt a receive operation and return to the Timekeeping Mode, press (D).
- If the receive operation is unsuccessful, the message ERR appears on the display for about one or two minutes. After that, the watch returns to the Timekeeping Mode.
- You can also change from the Last Signal or ERR screen to the normal timekeeping screen by pressing (D).

To turn auto receive on and off

1. In the Timekeeping Mode, hold down (A) until the city code starts to flash, which indicates the setting screen.
2. Press (C) twice to move the flashing to the auto receive on/off setting.
3. Press (D) to toggle auto receive on (ON) and off (OFF).
 - If the current Home City setting is a city code that does not support auto receive, "--" appears in place of the on/off indicator. This means you cannot turn auto receive on or off.
4. Press (A) twice to exit the setting screen.



To display the Last Signal screen

In the Timekeeping Mode, press (D) to display the Last Signal screen (GET). The Last Signal screen shows the date and time that the time calibration signal was last received.



Last Signal Screen

Signal Receive Troubleshooting

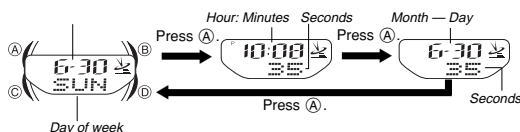
Check the following points whenever you experience problems with calibration signal reception.

Problem	Probable Cause	What you should do
Cannot perform manual receive.	<ul style="list-style-type: none"> • The watch is not in the Timekeeping Mode. • Your current Home City is not one of the following city codes: BER, PAR, LON, or ATH. 	<ul style="list-style-type: none"> • Enter the Timekeeping Mode and try again. • Select BER, PAR, LON, or ATH as your Home City.
Auto receive is turned on, but the receiving indicator (Level 4) does not appear on the display.	<ul style="list-style-type: none"> • You changed the time setting manually. • The watch was not in the Timekeeping or World Time Mode, or you were performing some button operation during the auto receive operation. • Even if receive is successful, the receiving indicator (Level 4) disappears every day at 3 am. • Time data (hour, minutes, seconds) only was received during the last receive operation. The receiving indicator (Level 4) appears only when time data and date data (year, month, day) are both received. 	<ul style="list-style-type: none"> • 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.
Time setting is incorrect following signal reception.	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • Change the DST setting to Auto DST. • Select the correct Home City code.

- For further information, see "Time Calibration Signal Reception" and "Time Calibration Signal Reception Precautions."

Timekeeping

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

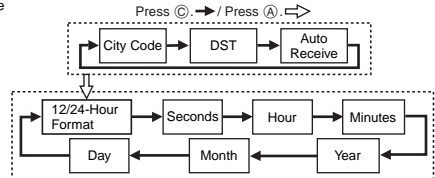


Setting the Digital Time and Date Manually

Make sure you select your Home City code before you change the current time and date settings. World Time Mode times are all displayed in accordance with the Timekeeping Mode settings. Because of this, World Time Mode times will not be correct if you do not select the proper Home City code before setting the time and date in the Timekeeping Mode.

To set the current digital time and date manually

1. In the Timekeeping Mode, hold down (A) until the city code starts to flash, which indicates the setting screen.
2. Press (A) or (C) to move the flashing in the sequence shown below to select other settings.



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

Screen:	To do this:	Do this:
ERR	Change the city code	Use (D) (+) and (B) (-).
DST	Toggle between Daylight Saving Time (ON) and Standard Time (OFF)	Press (D). • Pressing (D) performs a different operation when BER, PAR, LON, or ATH is selected as Home City code. See "To change the Daylight Saving Time (summer time) setting."
R/C	Toggle between auto receive on (ON) and off (OFF)	Press (D).
12H	Toggle between 12-hour (12H) and 24-hour (24H) timekeeping	Press (D).

Screen (flashing):	To do this:	Do this:
SE	Reset the seconds to 00	Press (D).
H	Change the hour	Use (D) (+) and (B) (-).
M	Change the minutes	
Y	Change the year	
6	Change the month	
3	Change the day	

4. After setting the day, press (A) to exit the setting screen.
 - See "City Code Table" for a complete list of available city codes.
 - The auto receive setting is used for time calibration signal reception only. See "About Auto Receive" for details.

Daylight Saving Time (DST)

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

The time calibration signal transmitted from Mainflingen includes both Standard Time and DST data. When the DST setting is turned on, the watch switches between Standard Time and DST (summer time) automatically in accordance with the Mainflingen signal.

- The default DST setting is Auto DST (A) whenever you select **ERR, PAR, LON, or ATH** as your Home City code.
- If you experience problems receiving the time calibration signal in your area, it is probably best to switch between Standard Time and Daylight Saving Time (summer time) manually.

To change the Daylight Saving Time (summer time) setting

1. In the Timekeeping Mode, hold down (A) until the city code starts to flash, which indicates the setting screen.
2. Press (C) and the DST setting screen appears.
3. Use (D) to cycle through the DST settings in the sequence shown below.



4. When the setting you want is selected, press (A) twice to exit the setting screen.

Analog Timekeeping

The analog time of this watch is synchronized with the digital time. The analog time setting is adjusted automatically whenever you change the digital time.

Note

- The hands for the analog timepiece move to adjust to a new setting whenever any of the following occurs.
 - When you change the digital time setting manually
 - When the digital time setting is changed by time calibration signal reception
 - When you change the Home City code and/or DST setting
- If the analog time does not match the digital time for any reason, use the procedure described under "To adjust the analog time" to match the analog setting to the digital setting.
- Whenever you need to adjust both the digital and the analog time settings manually, make sure you adjust the digital setting first.
- Depending on how much the hands have to move in order to adjust to the digital time, it may take some time before the analog hands stop moving.

To adjust the analog time



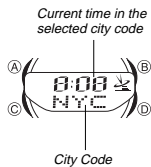
Current time

1. In the Timekeeping Mode, press **(C)** six times to enter the Hand Setting Mode.
2. Hold down **(A)** until the current digital time starts to flash, which indicates the setting screen.
3. Use **(D)** (+) and **(B)** (-) to adjust the analog setting as described below.

When you want to do this:	Perform this button operation:
Move the hand setting forward 20 seconds	• Press (D) .
Move the hand setting back 20 seconds	• Press (B) .
Move the hand setting a short way forward at high speed	• Hold down (D) . • Release (D) when the hands reach the setting you want.
Move the hand setting a short way back at high speed	• Hold down (B) . • Release (B) when the hands reach the setting you want.
Move the hand setting a long way forward at high speed	• While holding down (D) to move the hands at high-speed, press (B) to lock the high-speed hand movement. • Press any button when the hands are close to the setting you want. • Hand movement stops automatically if the hour hand makes one full (12-hour) revolution.
Move the hand setting a long way back at high speed	• While holding down (B) to move the hands at high-speed, press (D) to lock the high-speed hand movement. • Press any button when the hands are close to the setting you want. • Hand movement stops automatically if the hour hand makes one full (12-hour) revolution.

4. Press **(A)** to exit the setting screen.
- The minute hand will be adjusted slightly to match the seconds when you exit the setting screen.
 - To return to the Timekeeping Mode, press **(C)**.

World Time



- The World Time shows the current time in 30 cities (29 time zones) around the world.
- If the current time shown for a city is wrong, check your Home City time settings and make the necessary changes.
 - The watch will perform a signal receive operation even if it is in the World Time Mode when a calibration time is reached. If this happens, the World Time Mode time settings will be adjusted in accordance with the Timekeeping Mode's Home City time.
 - All of the operations in this section are performed in the World Time Mode, which you enter by pressing **(C)**.

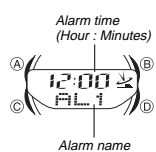
To view the time in another city

- While in the World Time Mode, press **(D)** to scroll through the city codes (time zones).
- For full information on city codes, see the "City Code Table."

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

1. In the World Time Mode, use **(D)** to display the city code (time zone) whose Standard Time/Daylight Saving Time setting you want to change.
 2. Hold down **(A)** to toggle Daylight Saving Time (DST displayed) and Standard Time (DST not displayed).
- Note that you cannot use the World Time Mode to change the DST setting of the Home City code you currently have selected in the Timekeeping Mode. See "Daylight Saving Time (DST)" for information about turning the Home City code DST setting on and off.
 - The DST indicator is on the display whenever you display a city code for which Daylight Saving Time is turned on.
 - Note that the DST/Standard Time setting affects only the currently displayed city code. Other city codes are not affected.

Alarms

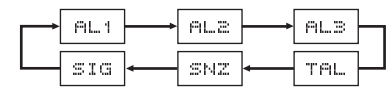


- The Alarm Mode gives you a choice of four one-time alarms and one snooze alarm. One of the one-time alarms functions as a "target alarm," which counts the time remaining from the current Home City time to the target alarm time.
- Also use the Alarm Mode to turn the Hourly Time Signal on and off.
- There are five alarms named AL1, AL2, AL3, TAL (target alarm), and SNZ. You can configure SNZ as a snooze alarm only. Alarms AL1, AL2, AL3, and TAL can be used as one-time alarms only.
 - Alarm settings (and Hourly Time Signal settings) are available in the Alarm Mode, which you enter by pressing **(C)**.

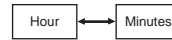
To set an alarm time



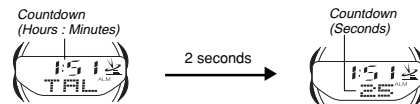
1. In the Alarm Mode, use **(D)** to scroll through the alarm screens until the one whose time you want to set is displayed.



2. 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 automatically turns on the alarm.
3. Use **(C)** (+) and **(B)** (-) to adjust the analog setting as described below to select other settings.



4. While the hour or minute setting is flashing, use **(D)** (+) and **(B)** (-) to change it.
 5. Press **(A)** to exit the setting screen.
- With the target alarm (TAL), the time starts to countdown as soon as you set the alarm time.



Target Alarm Screen

Note

- 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).

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.

The target alarm counts the time remaining from the current Home City time to the target alarm time.

- Pressing any button stops the alarm tone operation.
- Performing any one of the following operations during a 5-minute interval between snooze alarms cancels the current snooze alarm operation.

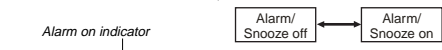
Displaying the Timekeeping Mode setting screen
Displaying the alarm setting screen

To test the alarm

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

To select the alarm operation type

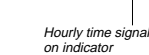
1. In the Alarm Mode, use **(D)** to select the screen for the alarm (AL1, AL2, AL3, TAL, or SNZ) whose alarm type you want to select.
2. Press **(A)** to cycle through the available settings in the sequence shown below.



- The alarm on indicator (ALM) or snooze on indicator (SNZ) is displayed for each alarm (AL1, AL2, AL3, TAL, SNZ) for which alarm on is selected.
- The snooze on indicator (SNZ) flashes during the 5-minute interval between alarms.
- The alarm on indicator (ALM) and snooze on indicator (SNZ) are displayed in all modes.
- In all modes, the alarm on indicator is shown for any alarm (AL1, AL2, AL3, TAL, SNZ) that is currently turned on.

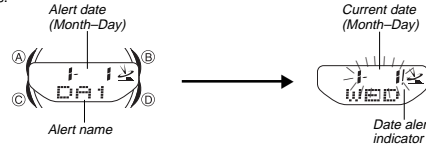
To turn the Hourly Time Signal on and off

1. In the Alarm Mode, use **(D)** to select the Hourly Time Signal (SIG).
 2. Press **(A)** to toggle it on (SIG displayed) and off (SIG not displayed).
- The Hourly Time Signal on indicator (SIG) is displayed in all modes when the Hourly Time Signal is turned on.



Date Alert

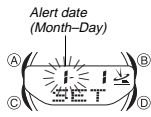
Date Alert helps you to remember an important date. After you set an alert date (month and day), a date alert indicator (!) and the current date flash for 24 hours after the alert date arrives in the Timekeeping Mode. You can set up to five different date alerts.



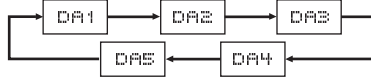
Date Alert Mode Screen

Timekeeping Mode Screen

To set the alert date



- Use **C** to enter the Date Alert Mode.
- Use **D** to scroll through the alert screens until the one whose date you want to set is displayed.

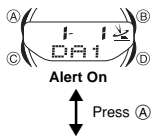


- After you select an alert, hold down **A** until the month setting of the alert date starts to flash, which indicates the setting screen.
 - This operation automatically turns on the alert.
- Press **C** to move the flashing in the sequence shown below.



- While the month or day setting is flashing, use **D** (+) and **B** (-) to change it.
- Press **A** to exit the setting screen.

To turn an alert on and off



- In the Date Alert Mode, use **D** to select the screen for the alert (DA1 through DA5) whose alert type you want to select.
- Press **A** to toggle it on and off.
 - Note that the month and day do not appear if the alert is turned off.

Time Recorder



The Time Recorder Mode lets you store up to 30 time entries (month, day, hour, minutes) with the touch of a button. One way you can use the Time Recorder Mode is to record the start time and the end time of a particular event.

- All of the operations in this section are performed in the Time Recorder Mode, which you enter by pressing **C**.

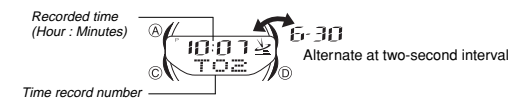
Standby Screen

To record a Time Recorder time

- Use **C** to enter the Time Recorder Mode.
 - This displays the Time Recorder standby screen.
- Press **D** to record the current date and time (month, day, hour, minutes).
 - The recorded time flashes for about two seconds and then assigned the next available record number, in the range of T1 through T30. Next the time recorder standby screen appears.
- A new time is recorded each time you press **D** while the standby screen is on the display.
- Records are assigned numbers sequentially from T1 through T30.
- Storing a new time record when there are already 30 records stored in memory automatically deletes record T1, shifts the remaining records upwards by 1, and stores the new record as T30.

To recall Time Recorder times

- In the Time Recorder Mode, press **A** to recall Time Recorder times.
- Use **D** to scroll through times stored in memory.

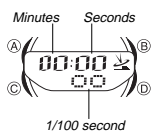


- Each press of **D** scrolls through time records from higher numbered (newer) records to lower numbered records.
- If you recorded a new Time Recorder time since you last entered the Time Recorder Mode, the newest record appears first. If you have not recorded a new time, the record you were viewing when you last exited the Time Recorder Mode appears first.

To delete all Time Recorder times

In the Time Recorder Mode, press **A** and **D** at the same time to delete all Time Recorder times.

Stopwatch

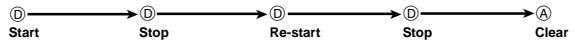


The stopwatch lets you measure elapsed time, split times, and two finishes.

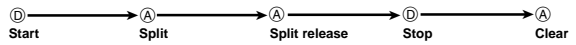
- The display range of the stopwatch is 59 minutes, 59.99 seconds.
- The stopwatch continues to run, restarting from zero after it reaches its limit, until you stop it.
- Exiting the Stopwatch Mode while a split time is frozen on the display clears the split time and returns to elapsed time measurement.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

To measure times with the stopwatch

Elapsed Time



Split Time



Two Finishes



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.

Auto return features

- If you leave the watch in the Alarm, Data Memory, or Hand Setting Mode for two or three minutes without performing any operation, it automatically changes to the Timekeeping Mode.
- If you leave the watch with a flashing setting or cursor on the display for two or three minutes without performing any operation, it automatically saves any settings you have made up to that point and exits the setting screen.

Scrolling

The **A**, **B**, and **D** 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.

Initial Screens

When you enter the World Time, Alarm, or Date Alert Mode, the data you were viewing when you last exited the mode appears first.

Time Calibration Signal Reception Precautions

- Strong electrostatic charge can result in the wrong time being set.
- Even when the watch is within the reception range of the transmitter, signal reception is 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.
- The time calibration signal is bounced 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.
- The watch is designed to automatically update the date and day of the week for the period January 1, 2000 to December 31, 2039. Setting of the date by the time calibration signal cannot be performed starting from January 1, 2040.
- This watch can receive signals that differentiate between leap years and non-leap years.
- 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 data only.
- When all four auto receptions are successful (2:00 AM, 3:00 AM, 4:00 AM, and 5:00 AM), the watch uses the data of the last reception for calibration. When only one reception is successful, the watch uses the data of the successful reception.
- Normally, the signal reception date shown by the Last Signal screen is the date data included in the received time calibration signal. When only time data is received, however, the Last Signal screen shows date as kept in the Timekeeping Mode at the time of signal reception.
- If you are in an area where proper time calibration signal reception is impossible, the watch keeps time within ± 20 seconds a month at normal temperature.
- 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), and auto receive settings. The following are the initial factory defaults for these settings.

Setting	Initial Factory Default
City code	BER (Berlin)
DST (summer time)	A (Auto switching)
Auto receive	ON (Auto receive)

Timekeeping

- Resetting the seconds to 00 while the current count is in the range of 30 to 59 causes the minutes to be increased by 1. In the range of 00 to 29, the seconds are reset to 00 without changing the minutes.
- The day of the week is automatically displayed in accordance with the date (year, month, and day) settings.
- 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.
- The current time for all city codes in the Timekeeping Mode and World Time Mode is calculated in accordance with the Greenwich Mean Time (GMT) differential for each city, based on your Home City time setting.
- GMT differential is calculated by this watch based on Universal Time Coordinated (UTC*) data.

* The letters "UTC" stands for "Universal Time Coordinated," which is the world-wide scientific standard of timekeeping. It is based upon carefully maintained atomic (cesium) clocks that keep time accurately to within microseconds. Leap seconds are added or subtracted as necessary to keep UTC in sync with the Earth's rotation. The reference point for UTC is Greenwich, England.

12-hour/24-hour Timekeeping Formats

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

- 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. The indicator **24** indicates the 24-hour format.

Backlight Precautions

The backlight uses an EL (electro-luminescent) panel that causes the entire display to glow for easy reading in the dark.

In any mode, press **(Ⓢ)** to illuminate the display for about one second.

- 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 the battery life.

City Code Table

City Code	City	GMT Differential	Other major cities in same time zone
		-11	PAGO PAGO
HNL	HONOLULU	-10	PAPEETE
ANC	ANCHORAGE	-9	NOME
LAX	LOS ANGELES	-8	SAN FRANCISCO, LAS VEGAS, VANCOUVER, SEATTLE, DAWSON CITY
DEN	DENVER	-7	EL PASO, EDMONTON
CHI	CHICAGO	-6	HOUSTON, DALLAS/FORT WORTH, NEW ORLEANS, MEXICO CITY, WINNIPEG
NYC	NEW YORK	-5	MONTREAL, DETROIT, MIAMI, BOSTON, PANAMA CITY, HAVANA, LIMA, BOGOTA
CCS	CARACAS	-4	LA PAZ, SANTIAGO, PORT OF SPAIN
RIO	RIO DE JANEIRO	-3	SÃO PAULO, BUENOS AIRES, BRASÍLIA, MONTEVIDEO
---		-2	
---		-1	PRAIA
GMT		+0	DUBLIN, LISBON, CASABLANCA, DAKAR, ABIDJAN
LON	LONDON		
PAR	PARIS	+1	MILAN, ROME, MADRID, AMSTERDAM, ALGIERS, HAMBURG, FRANKFURT, VIENNA, STOCKHOLM
BER	BERLIN		
ATH	ATHENS	+2	HELSINKI, ISTANBUL, BEIRUT, DAMASCUS, CAPE TOWN
CAI	CAIRO		
JRS	JERUSALEM		
JED	JEDDAH	+3	KUWAIT, RIYADH, ADEN, ADDIS ABABA, NAIROBI, MOSCOW
THR	TEHRAN	+3.5	SHIRAZ
DXB	DUBAI	+4	ABU DHABI, MUSCAT
KBL	KABUL	+4.5	
KHI	KARACHI	+5	MALE
DEL	DELHI	+5.5	MUMBAI, KOLKATA
DAC	DHAKA	+6	COLOMBO
RGN	YANGON	+6.5	
BKK	BANGKOK	+7	JAKARTA, PHNOM PENH, HANOI, VIENTIANE
HKG	HONG KONG	+8	SINGAPORE, KUALA LUMPUR, BEIJING, TAIPEI, MANILA, PERTH, ULAANBAATAR
TYO	TOKYO		
SEL	SEOUL	+9	PYONGYANG
ADL	ADELAIDE	+9.5	DARWIN
SYD	SYDNEY	+10	MELBOURNE, GUAM, RABAU
NOU	NOUMEA	+11	PORT VILA
WLG	WELLINGTON	+12	CHRISTCHURCH, NADI, NAURU ISLAND

- Based on data as of June 2002.