Operation Guide 4312/4313

CASIO

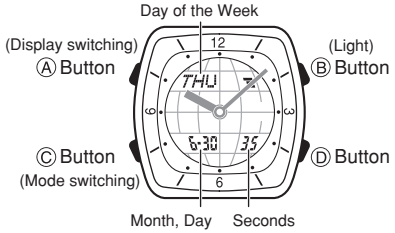
Modes and Display Screens

Each press of the Ⓒ button sounds a confirmation tone and cycles through available modes in the sequence shown on the following pages.

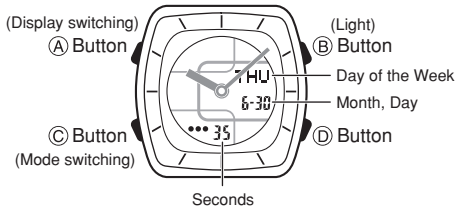
- The watch will revert to the Timekeeping Mode automatically if you leave it in the Alarm Mode or Hand Setting Mode without performing any operation for about two or three minutes.
- All display examples shown here use Module 4312. The module number is engraved on the back cover of the watch case.

Timekeeping Mode

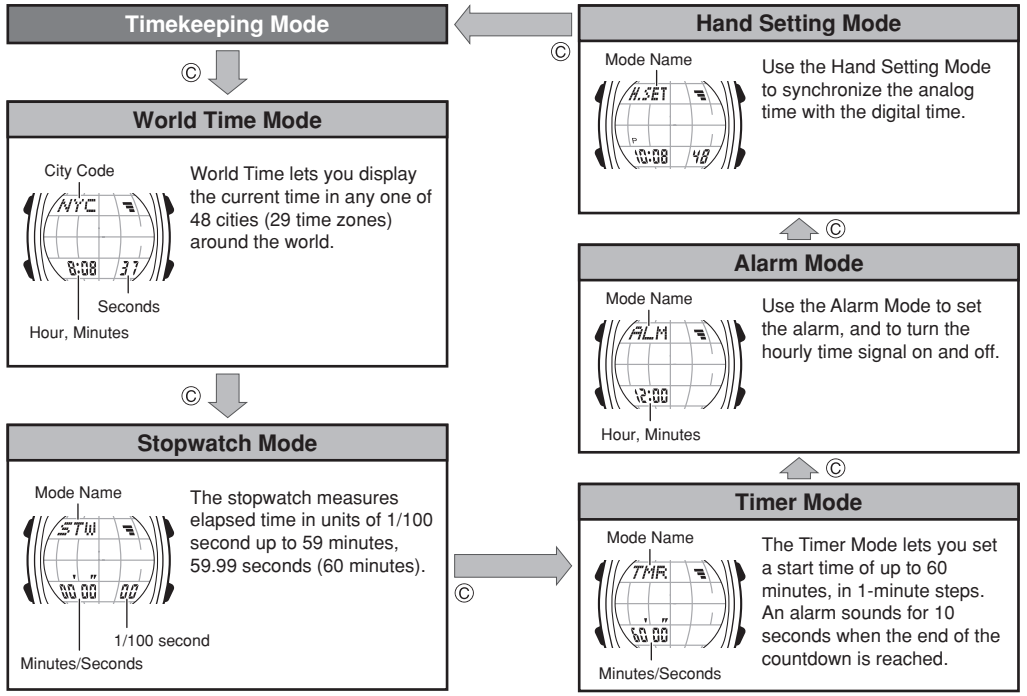
Module 4312



Module 4313



Switching between Display Screens
Pressing the Ⓐ button switches between the month/day and hour/minute screens.

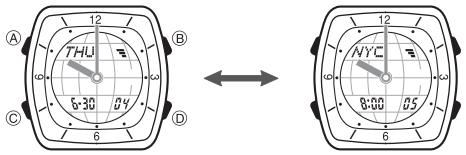


Demo Display

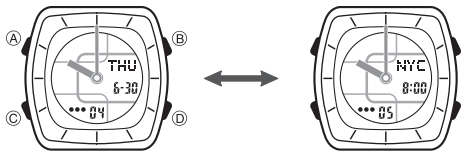
Your watch is set to its Demo Mode at the factory. The Demo Mode causes the watch to cycle through various display modes automatically.

- Normal button operation is not possible while the watch is in the Demo Mode. Auto receive is disabled in the Demo Mode.

Module 4312



Module 4313



- The module number is engraved on the back cover of the watch case.

■ To exit the Demo Mode

Press any one of the following buttons: Ⓐ, Ⓑ, Ⓒ, or Ⓓ.

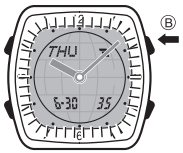
■ To enter the Demo Mode

In the Timekeeping Mode, hold down the Ⓒ button for about three seconds until the watch beeps.

Illumination

In any mode (except when a setting screen is on the display), press the Ⓑ button to illuminate the display for easy reading in the dark.

- You can specify 1.5 seconds or 2.5 seconds as the duration of display illumination.

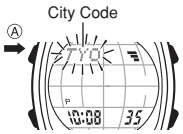


Important!

- Illumination may be difficult to see under bright sunlight.
- Illumination will turn off if you press any button that sounds a confirmation tone or if an alarm sounds.
- Illumination will not turn on while manual receive is in progress.

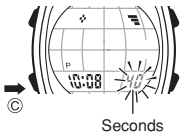
■ To specify the illumination duration

1. **In the Timekeeping Mode hold down the Ⓐ button for about two seconds until the transmitter selection mode setting flashes on the display.**



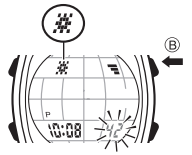
- The currently selected city code will be flashing on the display.

2. **Press the Ⓒ button three times so the seconds are flashing.**



- The seconds start to flash on the display.

3. **Press the Ⓑ button to toggle the illumination duration between 1.5 seconds (☼) and 2.5 seconds (☼).**



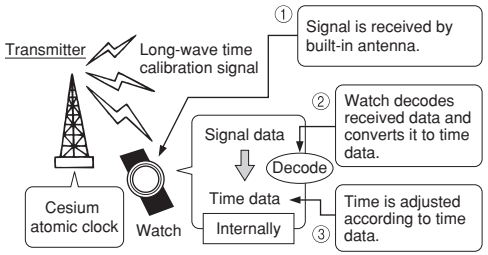
4. **When the setting is the way you want, press the Ⓐ button to exit the setting screen.**

- The display also will exit the setting screen automatically if you do not perform any operation for about two or three minutes.

How a Radio-controlled Watch Works

What is a radio-controlled watch?

Your radio-controlled watch is designed to receive a time calibration signal that contains standard time data, and adjust its current time setting accordingly.



After the watch receives the Standard Time signal, it performs internal calculations to determine the current time. Because of this, there may be an error of up to one second in the displayed time.

Calibration Signal

- The Japanese calibration signal (Call Sign: JJY) is maintained by the National Institute of Information and Communications Technology (NICT). It is transmitted 24 hours a day from the Mt. Otakadoya transmitter (40 kHz) located in Tamura-gun, Fukushima Prefecture, and from the Mt. Hagane transmitter (60 kHz) located on the border between Saga Prefecture and Fukuoka Prefecture.
- The U.S. calibration signal (Call Sign: WWVB) is transmitted by the National Institute of Standards and technology from Fort Collins, Colorado.

The time data of the Japanese calibration signal (Call Sign: JJY) is maintained by the Japan Standard Time Group of the National Institute of Information and Communications Technology (NICT). Note that transmission of the standard wave may be interrupted occasionally due to maintenance, lightning, etc.
For more information, visit the website of the Japan Standard Time Group of the National Institute of Information and Communications Technology (NICT) at the following URL.
http://jjy.nict.go.jp

- Note that the above URL is subject to change.

Reception Ranges

This watch is designed to receive the standard time calibration signal of Japan (JJY) or of the United States (WWVB). The signal that is received depends on the current Home City setting.

- **For information about selecting a Home City, see “Configuring Home Time Settings”. See “World Time City Code List” for details on city codes.**

Home City	Transmitter
TYO, SEL, HKG	Either the Mt. Otakadoya signal (40 kHz) or the Mt. Hagane signal (60 kHz) • Use one of these settings for reception of the Japanese signal in Japan or Taiwan.
YVR, LAX, YEA, DEN, MEX, YWG, CHI, MIA, YTO, NYC, YHZ, YYT	Fort Collins, Colorado signal • Use one of these settings for reception of the U.S. signal in North America.

- CASIO does not guarantee that the watch will be able to receive a calibration signal correctly each day.
- Geographic contours, nearby buildings, the season, the time of day, can even make reception impossible even when you are within range of the transmitter.
- Best reception is possible late at night.

Location

Reception is difficult and may even be impossible in the locations described below. Avoid such locations when performing signal reception.

- You should think of your watch operating like a radio or TV when it is receiving the calibration signal.


Among or near buildings


Near high-voltage lines


Inside a vehicle (automobile, train, plane, etc.)


Next to a household appliance or office equipment (TV, speaker, fax, PC, mobile phone, etc.)


In a location where there is radio interference (construction site, airport, etc.)


Near mountains

If you are experiencing problems with reception, move away from the types of locations described above to a location with better reception, and try again.

Receiving the Calibration Signal

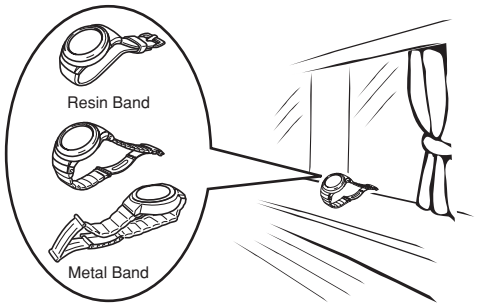
There are two methods you can use in order to receive the time calibration signal.

- **Auto receive (Reception is performed automatically at midnight, 1:00, 2:00, 3:00, and 4:00 each morning.)**
- **Manual receive (You initiate reception using a button operation.)**

- If reception is not successful for any of the normal auto receive operations shown above, auto receive is performed one more time at 5:00 a.m.
- The watch is set up for auto receive at the factory, so all you need to do is to place it in a location that allows good reception each night.

■ To position the watch for optimum reception

Remove the watch from your wrist and place it somewhere so its top (12 o’clock, where the antenna is located) is facing approximately in the direction of the signal transmitter. Keep it away from metal objects.



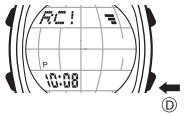
- Orienting the watch so it is sideways to the transmitter makes it more difficult to receive the signal.
- Do not move the watch while it is receiving the calibration signal.

Time Required for Reception

Signal reception takes anywhere from about two to seven minutes. In cases where receipt is not possible from the transmitter from which the signal was last received, reception may take up to 14 minutes.

■ To perform signal reception manually

In the Timekeeping Mode, hold down the Ⓓ button for about two seconds.



- The watch will beep and reception will start. The receive indicator cycles from “Unstable” through “Stable” as shown below while reception is in progress. How far it cycles depends on the signal strength.

■ To interrupt reception

Press the Ⓓ button.

- All other buttons besides Ⓓ are disabled during signal reception.

When reception is successful

The watch terminates reception and adjusts the current time. Next it beeps and then displays the date and time the adjustment was performed.
The receive indicator on the display also indicates successful signal reception. The indicator is cleared from the display each day at midnight.

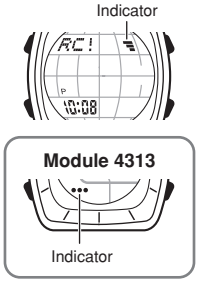
When reception fails (ERR Indicator)

In the case of an error, the watch will not adjust its current time setting, but display “ERR” instead.

- The display will return to the normal timekeeping screen automatically if you do not perform any operation for about one or two minutes.

Receive Indicator

The receive indicator cycles from “Unstable” through “Stable” as shown below while reception is in progress. How far it cycles depends on the signal strength.
Keep the watch in a location where reception is stable while reception is in progress.



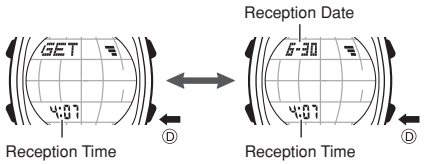
- Even under optimum reception conditions, it can take about 10 seconds for reception to stabilize.

- Use the receive indicator to check reception status and to determine the best location for signal reception.
- Note that weather, the time of day, surroundings, and other factors can all affect reception.

■ To view the last reception date and time

In the Timekeeping Mode, press the Ⓓ button.

- This displays the date and time when signal reception was last successful, and the current time and date were last adjusted.
- The “GET” indicator and the last reception date screen alternate at two-second intervals.
- To return to the Timekeeping Mode, press the Ⓓ button again.
- The display will return to the normal timekeeping screen automatically if you do not perform any operation for about one or two minutes.



Configuring Auto Receive Settings

Use the procedure below to turn auto calibration signal reception on and off.

- **For information about selecting a Home City, see “Configuring Home Time Settings”.**
- The following procedure can be performed when any one of the following city codes is selected as the Home Time: **TYO**, **SEL**, **HKG**, **YVR**, **LAX**, **YEA**, **DEN**, **MEX**, **YWG**, **CHI**, **MIA**, **YTO**, **NYC**, **YHZ**, or **YYT**.

1. **In the Timekeeping Mode, press the Ⓓ button to display the last reception date and time.**

- This displays the last reception date and time screen.
- The display will return to the normal timekeeping screen automatically if you do not perform any operation for about one or two minutes.

2. **Hold down the Ⓐ button for about two seconds until the current auto receive setting flashes on the display.**

- This is the auto receive setting screen.

3. **Press the Ⓓ button to toggle the setting between ON and OFF.**

4. **When the setting is the way you want, press the Ⓐ button to exit the setting screen.**

- Press the Ⓓ button to return to the Timekeeping Mode.
- The display also will exit the setting screen automatically if you do not perform any operation for about two or three minutes.

When the Home City is TYO, SEL, or HKG

- **ON**
  Selecting this setting turns on auto receive and auto transmitter selection. The watch selects either the Otakadoya Mountain signal (40 kHz) or the Hagane Mountain signal (60 kHz) automatically, whichever is strongest.
  - The transmitter from which a signal was last successfully received will be given priority for the next auto receive operation.
- **OFF**
  Selecting this setting turns off auto receive and auto transmitter selection.

When the Home City is YVR, LAX, YEA, DEN, MEX, YWG, CHI, MIA, YTO, NYC, YHZ, or YYT

- **ON**
  Selecting this setting turns on auto receive. The watch always receives the Fort Collins signal.
- **OFF**
  Selecting this setting turns off auto receive.

Calibration Signal Reception Precautions

- Auto receive can be performed while the watch is in the Timekeeping Mode or World Time Mode only.
  - Signal reception is not possible while a timer operation is in progress.
- Receipt of a calibration signal causes the digital time to be adjusted first, followed by adjustment of the analog time. In order to ensure correct correction of the analog time, be sure to match the analog time with the digital time before performing a signal receive operation.
- Operating any button while auto receive is in progress will cause the watch to beep and then exit the receive operation.
- Make sure you are within the range of the calibration signal transmitter before performing the reception operation. Remember that geographic contours, nearby buildings, the season, the time of day, can even make reception impossible even when you are within range of the transmitter.
- Proper reception may be impossible if there is something blocking the signal. If reception is unsuccessful, try again.
- This watch is designed to adjust its current time setting in accordance with the calibration signal transmitted in Japan and the United States only. Note that you will need to make your own adjustments when using this watch outside of Japan or the United States, or in any area that is outside the range of one of the receivable time calibration signal transmitters.
- When the watch is unable to adjust its time signal using the calibration signal for some reason, timekeeping accuracy is within ±15 seconds per month.
- Strong electrostatic charge can cause timekeeping error.
- Signal reception is cancelled if an alert operation starts while it is being performed.
- The watch’s calendar shows dates up to the year 2099. Attempting a receive operation after that causes an error.

Troubleshooting

1. The watch cannot receive the time calibration signal.

- Is the signal being transmitted?
  Though the time data of the Japanese calibration signal (Call Sign: JJY) is maintained by the Japan Standard Time Group of the National Institute of Information and Communications Technology (NICT), it may be interrupted sometimes for periodic maintenance work, or because of lightning or other problems.
- Are you within the reception range of a transmitter?
  See “Reception Ranges” for information about areas where the watch can receive the signal.
- Is there something in the immediate area that may be interfering with reception?
  Even if you are within the reception range of a transmitter, objects between you and the transmitter or electrical noise can interfere with reception. Avoid such areas during signal reception. See “Location”.
- Do you have the correct Home City code selected?
  Remember that auto receive is not performed unless one of the following is selected as the Home City: **TYO** (Tokyo), **SEL** (Seoul), **HKG** (Hong Kong), **YVR** (Vancouver), **LAX** (Los Angeles), **YEA** (Edmonton), **DEN** (Denver), **MEX** (Mexico), **YWG** (Winnipeg), **CHI** (Chicago), **MIA** (Miami), **YTO** (Toronto), **NYC** (New York), **YHZ** (Halifax), or **YYT** (St. John’s). Correctly select your Home City using the procedure under “Configuring Home Time Settings”.
- Is auto receive turned off?
  Use the procedure under “Configuring Auto Receive Settings” to turn on auto receive.
- Is the watch in any mode other than the Timekeeping Mode or World Time Mode during the auto receive times (midnight, 1:00 a.m., 2:00 a.m., 3:00 a.m., 4:00 a.m., and 5:00 a.m.)?
  Auto receive is performed only when the watch is in the Timekeeping Mode or World Time Mode. It is not performed if the watch is in any other mode.
- Is a timer operation in progress?
  Calibration signal reception is disabled while a timer operation is in progress. Because of this, you should avoid performing timer operations during the timeframes that signal reception is performed, or perform manual receive after your timer operation is complete.

2. Time calibration signal reception is successful, but the hourly time signal and current time are off slightly.

- After the watch receives the time calibration signal, it performs an internal decoding process before updating its time setting. Because of this, the time setting may be off slightly (within one second).

3. Time calibration signal reception is successful, but the current time is one hour fast.

- Do you have summer time (DST) turned on? Use the procedure under “Configuring Home Time Settings” to select either AUTO or OFF for the summer time setting.

4. Time calibration signal reception is successful, but the current time setting is wrong.

- Is **TYO** (Tokyo) or **HKG** (Hong Kong) selected for your Home City? Correctly select your Home City using the procedure under “Configuring Home Time Settings”.

5. The digital time and analog time are different.

- Normally, the received time calibration data is used to adjust the digital display time, and then the analog hands are adjusted to match the digital time. If the hands are misaligned for some reason, they will not indicate the correct time. If this happens, use the procedure under “Setting the Analog Time Manually” to adjust the analog time.

6. Can you configure auto receive settings?

- Remember that auto receive is not performed unless one of the following is selected as the Home City: **TYO** (Tokyo), **SEL** (Seoul), **HKG** (Hong Kong), **YVR** (Vancouver), **LAX** (Los Angeles), **YEA** (Edmonton), **DEN** (Denver), **MEX** (Mexico), **YWG** (Winnipeg), **CHI** (Chicago), **MIA** (Miami), **YTO** (Toronto), **NYC** (New York), **YHZ** (Halifax), or **YYT** (St. John’s). Correctly select your Home City using the procedure under “Configuring Home Time Settings”.

7. What time is auto receive performed?

- Auto receive is performed in the middle of the night, when reception conditions are best. Before going to bed at night, place the watch near a window, with 12 o’clock facing in the general direction of the transmitter.

8. How can I perform manual receive?

- Hold down the lower right Ⓓ button for about two seconds. The watch will beep to indicate that manual receive has started. Place it near a window, with 12 o’clock facing in the general direction of the transmitter.

9. How can I view the last reception date and time?

- In the Timekeeping Mode, press the lower right Ⓓ button. This will display the date and time that the time calibration signal was last received successfully. To return to the Timekeeping Mode, press the Ⓓ button again.

If you cannot receive the calibration signal or if the current time setting is incorrect after signal reception, check the current setup of the watch.

Factory Default Settings

Home City	HKG	Hong Kong
Summer Time	OFF	Off
Auto Receive	ON	On

Default Settings Following Battery Replacement

Home City	TYO	Tokyo
Summer Time	AUTO	Auto (according to signal data)
Auto Receive	ON	On

Using World Time

Use the Ⓒ button to enter the World Time Mode as shown under “Modes and Display Screens”.

World time lets you display the current time in any one of 48 cities (29 time zones) around the world.

- When you enter the World Time Mode, the screen for the city that was displayed when you last exited the mode appears first.
- The seconds count in the World Time Mode is linked with the Timekeeping Mode seconds count.
- The same 12-hour/24-hour format you select for the Timekeeping Mode time is also applied in the World Time Mode.

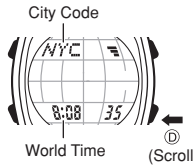
Important!
If the World Time Mode time is incorrect, check the setting of the current time and your Home Time setting in the Timekeeping Mode, and make any necessary corrections.

- **See “To configure Home City settings” for details on how to set the current time.**

■ To search for a city code

In the World Time Mode, press the Ⓓ button to scroll through the city codes.

- Holding down any button advances the corresponding setting at high speed.



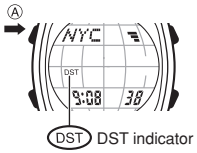
Using Summer Time (DST)

Summer time, or Daylight Saving Time (DST) as is it is called in some countries, calls for setting clocks ahead one hour during the summer season.
Note that the use of summer time depends on the country and even the local area.

■ To turn summer time on or off

Getting Ready:
In the World Time Mode, use the Ⓓ button to display the screen for the city code whose summer time setting you want to change.

Hold down the Ⓐ button for two seconds to toggle the summer time setting on (DST indicator displayed) and off.



- The “DST” indicator appears on the display and timekeeping is advanced by one hour when summer time is turned on.
- You can turn summer time on or off independently for each World Time Mode city, except for the city that is selected as your Home City.

World Time City Code List

City Code	GMT Differential	City Name	City Code	GMT Differential	City Name
PPG	–11.0	Pago Pago	ROM	+1.0	Rome
HNL	–10.0	Honolulu	BER	+1.0	Berlin
ANC	–9.0	Anchorage	STO	+1.0	Stockholm
YVR	–8.0	Vancouver	ATH	+2.0	Athens
LAX	–8.0	Los Angeles	CAI	+2.0	Cairo
YEA	–7.0	Edmonton	JRS	+2.0	Jerusalem
DEN	–7.0	Denver	MOW	+3.0	Moscow
MEX	–6.0	Mexico City	JED	+3.0	Jeddah
YWG	–6.0	Winnipeg	THR	+3.5	Teheran
CHI	–6.0	Chicago	DXB	+4.0	Dubai
MIA	–5.0	Miami	KBL	+4.5	Kabul
YTO	–5.0	Toronto	KHI	+5.0	Karachi
NYC	–5.0	New York	DEL	+5.5	Delhi
CCS	–4.0	Caracas	DAC	+6.0	Dhaka
YHZ	–4.0	Halifax	RGN	+6.5	Yangon
YYT	–3.5	St. John’s	BKK	+7.0	Bangkok
RIO	–3.0	Rio de Janeiro	HKG	+8.0	Hong Kong
RAI	–1.0	Praia	SEL	+9.0	Seoul
LIS	+0.0	Lisbon	TYO	+9.0	Tokyo
LON	+0.0	London	ADL	+9.5	Adelaide
BCN	+1.0	Barcelona	GUM	+10.0	Guam
MAD	+1.0	Madrid	SYD	+10.0	Sydney
PAR	+1.0	Paris	NOU	+11.0	Noumea
MIL	+1.0	Milan	WLG	+12.0	Wellington

- The contents of the above table are current as of December 2004.
- Time differentials in the above table are in accordance with Universal Time Coordinated (UTC).

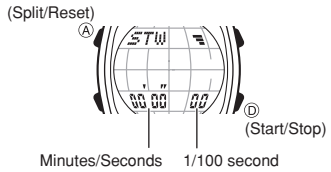
Using the Stopwatch

Use the Ⓒ button to enter the Stopwatch Mode as shown under “Modes and Display Screens”.

The stopwatch measures elapsed time in units of 1/100 second up to 59 minutes, 59.99 seconds (60 minutes). When the maximum limit is reached, the elapsed time returns to zero automatically and timing continues from there.

■ To use the stopwatch

In the Stopwatch Mode, press the Ⓓ button to start and stop the stopwatch.



- Pressing Ⓐ while an elapsed time operation is being performed freezes the current time on the display and continues timing of the next split internally. This condition is indicated by the “SPL” (split) indicator on the display.
  - Changing to another mode while a split time is displayed cancels the split time operation.
- Pressing the Ⓐ button while timing is stopped resets the stopwatch.

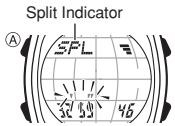
■ To perform elapsed time measurement

Ⓓ → Ⓓ → Ⓐ
Start Stop Reset

Cumulative Time Measurement
Pressing the Ⓓ button to restart the stopwatch without resetting it to all zeros resumes elapsed time measurement from where it was last stopped.

■ To perform split time measurement

Ⓓ → Ⓐ → Ⓐ → Ⓓ → Ⓐ
Start Split Release Split Stop Reset



■ To time 1st and 2nd place finishers

Ⓓ → Ⓐ → Ⓓ → Ⓐ → Ⓐ
Start 1st Finisher (Displays time of 1st finisher.) 2nd Finisher Displays time of 2nd finisher. Reset

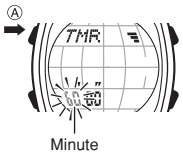
Using the Timer

Use the Ⓒ button to enter the Timer Mode as shown under "Modes and Display Screens".

You can set the start time of the timer in units of one minute in the range of 1 to 60 minutes. The watch beeps for 10 seconds when the end of the countdown is reached.

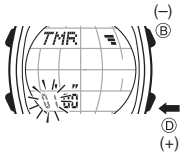
■ To set the timer start time

1. **While the current starting time is displayed in the Timer Mode, hold down the Ⓐ button for about two seconds until the minutes start to flash on the display. This is the setting screen.**

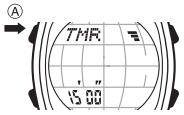


2. **Use the Ⓓ (+) and Ⓑ (–) buttons to change the minute setting.**

- Holding down either button changes the setting at high speed.



3. **When the setting is the way you want, press the Ⓐ button to exit the setting screen.**

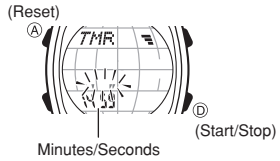


- The display also will exit the setting screen automatically if you do not perform any operation for about two or three minutes.

■ To use the countdown timer

In the Timer Mode, press the Ⓓ button.

- Each press of the Ⓓ button starts or stops the stopwatch.
- The time counts down in one-second steps.



- Pressing the Ⓐ button while the countdown is stopped resets to the countdown start time.
- Pressing the Ⓓ button again while the timer countdown is stopped restarts the countdown.

Time Up Alarm

The watch beeps for 10 seconds when the end of the countdown is reached.

■ To stop the alarm

Pressing any button while the beeper is sounding stops it.

Important!
Calibration signal reception is disabled while a timer operation is in progress. Because of this, you should avoid performing timer operations during the timeframes that signal reception is performed, or perform manual receive after your timer operation is complete.

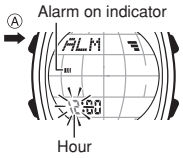
Using the Alarms and Hourly Time Signal

Use the Ⓒ button to enter the Alarm Mode as shown under "Modes and Display Screens".

The watch beeps for 10 seconds when the Timekeeping Mode time reaches the currently set alarm time. The Hourly Time signal causes the watch to beep every hour on the hour.

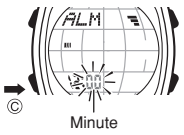
■ To set an alarm time

1. **In the Alarm Mode, hold down the Ⓐ button for about two seconds until the hour digits start to flash on the display. This is the setting screen.**

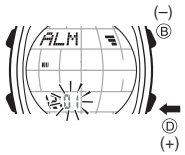


- This also causes the alarm on indicator to appear and turns on the alarm automatically.

2. **Use the Ⓒ button to move the flashing between the hour and the minute setting.**



3. **Use the Ⓓ (+) and Ⓑ (–) buttons to change the flashing setting.**



- Holding down either button changes the setting at high speed.
- When setting the hour, make sure you specify AM (no indicator) or PM (P) correctly when using 12-hour timekeeping, or that you specify the correct 24-hour time.
- The same 12-hour/24-hour format you select for the Timekeeping Mode time is also applied in the Alarm Mode.

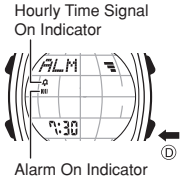
4. **When the setting is the way you want, press the Ⓐ button to exit the setting screen.**

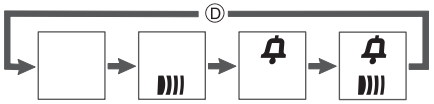
- The display also will exit the setting screen automatically if you do not perform any operation for about two or three minutes.

■ To turn an alarm or the hourly time signal on or off

In the Alarm Mode, press the Ⓓ button.

- Each press of the Ⓓ button cycles through the Hourly Time Signal and alarm settings as shown below. The current on/off status is indicated by the indicators that appear on the display.





Hourly Time Signal	Off	Off	On	On
Alarm	Off	On	Off	On

■ To stop the alarm

Pressing any button while the beeper is sounding stops it.

■ To test the alarm

In the Alarm Mode, hold down the Ⓓ button to sound the beeper.

Configuring Home Time Settings

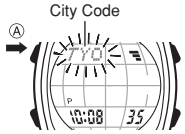
You can use the following procedure to set the current time and date of the Home City that you have selected in the Timekeeping Mode.

- Always use the Timekeeping Mode to set and adjust the current time and date settings.

If you are planning to adjust both the digital and analog settings manually, be sure to adjust the digital setting first.

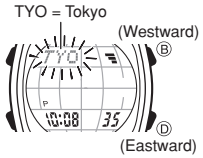
■ To configure Home City settings

1. **In the Timekeeping Mode hold down the Ⓐ button for about two seconds until the transmitter selection mode setting flashes on the display.**



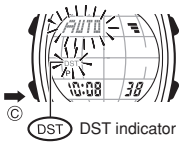
- The currently selected city code will be flashing on the display.

2. **Use the Ⓓ (Eastward) and Ⓑ (Westward) buttons to scroll through the city codes until the one you want to use as your Home City is displayed.**



- Ⓓ scrolls eastward, while Ⓑ scrolls westward.
- **See “World Time City Code List”.**
- Holding down either button changes the setting at high speed.

3. **Press the Ⓒ button to display the summer time setting.**

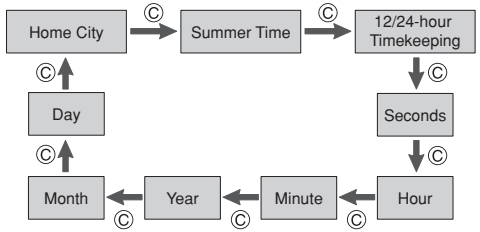


4. **Press the Ⓓ button to cycle through the summer time settings until the one you want is displayed.**

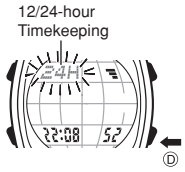
- **AUTO**
  This setting enables the auto summer time setting, which turns summer time on or off in accordance with the received time calibration signal.
  - This setting uses Japan summer time data when **TYO** or **HKG** is selected as the Home City, and U.S. summer time data when **YVR**, **LAX**, **YEA**, **DEN**, **MEX**, **YWG**, **CHI**, **MIA**, **YTO**, **NYC**, **YHZ**, or **YYT** is selected as the Home City.
  - Note that “AUTO” can be selected only when **TYO**, **HKG**, **YVR**, **LAX**, **YEA**, **DEN**, **MEX**, **YWG**, **CHI**, **MIA**, **YTO**, **NYC**, **YHZ**, or **YYT** is selected as the Home City.
- **OFF**
  This setting turns off summer time, and displays the current time normally.
- **ON**
  This setting turns on summer time.
  - Selecting this setting displays the DST indicator, and advances the current time setting by one hour.

5. **Use the Ⓒ button to move the flashing to the setting you want to change.**

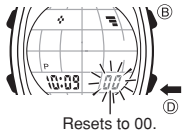
- Use the Ⓒ button to cycle through the time and date settings shown below. Each press of Ⓒ causes the applicable setting to flash.



6. **While the 12/24-hour setting is selected, press the Ⓓ button to toggle the timekeeping format between 12-hour (“12H” indicator) and 24-hour (“24H” indicator).**

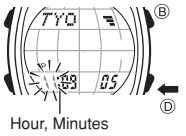


7. **While the seconds are selected, press the Ⓓ button to reset them to 00 in accordance with the time signal on the radio, TV, etc.**



- Pressing the Ⓓ button while the seconds count is in the range of 30 to 59 resets it to 00 and also adds 1 to the minutes. Pressing the Ⓓ button in the range of 00 to 29 resets the seconds count without changing the minutes.
- While the seconds are flashing, you can also press the Ⓑ button to change the illumination duration. See “To specify the illumination duration” for more information.

8. **While the Hour, Minutes, Year, Month, or Day setting is flashing, use the Ⓓ (+) and Ⓑ (–) buttons to change the setting.**



- Holding the Ⓓ button or Ⓑ button scrolls the applicable setting at high speed.

Repeat the above steps as many times as necessary to select each setting and change it as required.

- When setting the hour, make sure you specify AM (no indicator) or PM (P) correctly when using 12-hour timekeeping, or that you specify the correct 24-hour time.
- You can set the year within the range of 2000 to 2099. The day of the week is set automatically in accordance with the date you set.
- The watch makes adjustments for leap years and month lengths automatically.

9. **When all of the settings are the way you want, press the Ⓐ button to exit the setting screen.**

- The display also will exit the setting screen automatically if you do not perform any operation for about two or three minutes.

Digital-Analog Synchronization

The watch automatically adjusts its analog setting to match the current digital time setting.

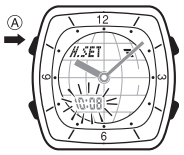
- When adjusting the analog time, the watch always moves the hands forward (clockwise direction).
- Depending on how many hours different the digital and analog time settings are, it may take some time for the analog hand setting procedure to be finished.

Setting the Analog Time Manually

You can use the Hand Setting Mode to adjust the analog time manually when it does not match the digital time.

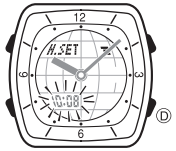
Getting Ready:
Use the Ⓒ button to enter the Hand Setting Mode as shown under “Modes and Display Screens”.

1. **Hold down the Ⓐ button for about two seconds until the hour and minutes of the digital time start to flash.**



2. **Use the Ⓓ button to adjust the analog time.**

- Each press of the Ⓓ button advances the analog time by 20 seconds.
- Holding down the Ⓓ button advances the time setting at high speed.



High-speed Lock

- While holding down the Ⓓ button to start high-speed clockwise movement of the hands, press the Ⓑ button to lock the high-speed movement.
- High-speed movement of the hands will continue until it completes a 12-hour cycle, or until you press any button to stop it.
- High-speed hand movement will stop when an alarm or any other beeper operation is performed. Hand movement will resume after the beeper operation is complete.

3. **When the setting is the way you want, press the Ⓐ button to exit the setting screen.**

- This exits the setting screen and synchronizes the minute hand with the current seconds count automatically.
- The display also will exit the setting screen automatically if you do not perform any operation for about two or three minutes.