## Modes and Display Screens

Each press of the © button sounds a confirmation tone and cycles through available modes in the sequence shown below. The display will automatically revert to the Timekeeping screen if you leave the Alarm or Hand Setting screen displayed without performing any operation for about two or three minutes.


Days of the Week
SUN: Sunday MON: Monday TUE: Tuesday WED: Wednesday THU: Thursday FRI: Friday
SAT: Saturday Changing Display Screen Contents
Each press of the $₫$ ( button cycles display contents in the ollowing sequence: Day of the Week $\Rightarrow$ Date $=$ Seconds $=$ Current Time


## 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.

[^0]

## Calibration Signal

The Japanese calibration signal (Call Sign: JJY) is maintained by the National Institute of Information and Communications Technology (NICT). It is a long wave signal transmitted 24 hours a
day from the Mt O day from the Mt. Otakadoya transmitter ( 40 kHz ) located in ransmitter ( 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.

Note that transmission of the time calibration signal may be interrupted occasionally due to maintenance, lightning, etc.


Hand Setting Mode



Alarm off

- Hourly Time Signal off
- ©



## Reception Range

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 infority . Configuring Home City Settings". For information about city codes, see the "World Time City Code List".

| Home City | Transmitter |
| :---: | :--- |
| TYO | Either the Mt. Otakadoya signal (40kHz) or the Mt. Hagane signal (60kHz) |
| LAX, DEN, CHI, NYC | Fort Collins, Colorado signal |



- Under optimum conditions, the calibration signal should be receivable up to 1,000 kilometers from the transmitter. Note that the wave is relatively weak at distances greater
than 500 km , so reception may be poor at long distances.
U.S. Transmitter Location


Under optimum conditions, the calibration signal should be receivable up to 3,000 kilometers from the transmitter. Note that the wave is relatively weak at distances greater than $1,000 \mathrm{~km}$, so reception may be poor at long distances.

[^1]
## Operation Guide 3760

## Location

Reception is dificicult 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


Next to a househol office equipment (TV, speaker. tax, computer, cell phone, etc.


Near mountains

In a location where there is adio interternce (construction
 site, airport, etc.)

$$
\begin{aligned}
& \text { If you are experiencing problems with reception, move away } \\
& \text { from the types of locations described above to a location with }
\end{aligned}
$$

better reception, and try again.

## Receiving the Calibration Signal

There are two methods you can use to receive the time calibration signa Auto receive (Reception is performed automatically at midnight, 2:00, 3:00 and 4:00 each morning.)
If Manual receive (You initiate reception using a button operation.) 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 itstop ( 12 o'clock side, where the antenna is located) is facing op ( 12 o'clock side, where the antenna is located) is facing approximately in the direction of the signal transmitter. Keep the watch away from metal objects.


Orienting the watch so it is sidewa cult to receive the signal

## Configuring Auto Receive Settings

se the procedure below to turn auto receive of the time
calibration signal on or off. When TYO (Tokyo) is selected as your
Home City, you can also specify the transmitter selection mode hat controls which lapo specify the transmitter selection mode hat controls whic
time calibration.
For information about selecting your Home City, see "Configuring Home City Settings".
The initial factory default settings for auto receive are Home City
TYO (Tokyo); Auto Receive = On; Transmitter = AUTO
The following procedure can be performed only when TYO, NYC
CHI, DEN, or LAX is selected as the Home City.
To configure auto receive settings In the Timekeeping M
press the (D) button
This causes the display to start cycling through the last
reception date and time eception date and time


- The watch will return to the

Timekeeping Mode automatically if you do no perform any operation for


- Time Required for Reception

A calibration signal receive operation takes anywhere from about two to six minutes.
ote that when "AUTO" (Auto Select) is specified as the transmitter
12 minutes
See "Contiguring Auto Receive Settings" for more information.

- To perform manual receive

In the Timekeeping Mode, hold down the © button for about two seconds.
The watch will beep and reception will start. An indicator will appear on the display to


## To interrupt reception

## Press the (©) button.

All other buttons besides (D) are disabled during signal reception.
When reception is successful
he watch will terminate reception and adjust the current time ext it will beep and then display the date and time that the adjustment was performed.

## Reception Error (ERR Indicator)

The watch will display "ERR" without adjusting its current time seting when signal reception is unsuccessful for some reason. The wath wime to automatically

4.


This will exit the setting screen and return to the las creens.
To return to the Timekeeping Mode, press the (D) button again.
The watch will return to the Timekeeping Mode automatically if you do no about one or two minutes.

## Receive Indicator

 The receive indicator cycles from Unstable" through "Stable" as hown below while reception is in on the signal strength. Keep the watch in a location where reception stable while reception is in progress.- 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.

Auto Receive Settings when the Home City is TYO

## - AUTO

Auto receive turned on with automatic selection of either the Mt. Otakadoya signal ( 40 kHz ) or the Mt. Hagane signal $(60 \mathrm{kHz})$, whichever is strongest.

- 40

Auto receive turned on for the Mt. Otakadoya signal ( 40 kHz ).
Auto receive turned on for the Mt. Hagane signal ( 60 kHz ).

- OFF

Auto receive turned of

Auto Receive Settings when the Home City is NYC CHI, DEN, or LAX

$$
\begin{aligned}
& \text { - ON } \\
& \text { Auto receive turned on for the Ft. Collins, Colorado signal. } \\
& \text { - OFF } \\
& \text { Auto receive turned off. }
\end{aligned}
$$

## CASIO.

## Calibration Signal Reception

## Precautions

Auto reception can be performed while the watch is in the
Auto reception can be performed while the w
Timekeeping Mode or World Time Mode only.
When a time calibration signal is received, the watch corrects its digital time setting first, and then adjusts the analog time setting
accordingly. In order to ensure that the analog time matches the accordingly. In order to ensure that the analog time matches the
digital time make sure you adjust the analog time to match the digital time before performing signal reception.
Pressing any button while auto reception 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 the time of day, can even make reception impossible even when
you are within range of the transmilter.
you are within range of the transmitter.
Proper reception may be impossible it it 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. It operates like a standard (non-radio controlled) watch outside of the range of the receivable time calibration signal transmitters
When the watch is unable to adjust its time signal using the $\pm 15$ seconds per month.
Strong electrostatic charge can cause timekeeping error. Signal reception is cancelled if an alarm starts to sound while it is
being performed. being performed.
Attempting a receive operation after that causes an erro

## Troubleshooting

The watch cannot receive the time calibration signal

- Is the signal being transmitted?

Though the Japanese calibration signal (Call Sign: JJY) is continually transmitted by the National Institute of Information an Communications Technology (NICT) in theory, it may sometimes lightning or other problems.
Are you within the reception range of a transmitter?
See "Reception Range" for information about areas where the watch can receive the signal.
withere something in immediate area that may be interfering 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" for more information. Japan), NYC (New York), CHI (Chicart per unless TYO Los Angeles) is selected as the Homo City Sel (Denver), or LAX tome City code using the procedure under "Contiguring Hoct Home City code using the proced under "Configuring Hom Is auto receive turned off (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 a.m., 3:00 a.m., 4:00 a.m., and 5:00 a.m.)?
a.m., $: 00$ a.m.,,$: 00$ 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.

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 match the digitar time. If he hands are misaligned for some
reason, they will not indicate the correct time. If this happens, us the procedure under "Adjusting the Analog Time Setting" to adjust the analog time.
The auto receive ON/OFF settings don't appear when configuring auto receive settings.
Auto receive ON/OFF settings do not appear on the display (Denver), or LAX (Los Angeles) is selected as the Home City. Use the procedure under "Configuring Home City Settings" to select your correct Home City
The auto receive AUTO, 40 , and 60 settings do not appear when configuring auto receive settings.
The AT, JP40, and JP60 transmitter selection mode options are available only when TYO (Tokyo) is selected as the Home City o select your correct Home City
What time is auto receive performed?
Auto receive is performed in the middle of the night, when
of the night, when he watch near a window, with its 12 o'clock position facing in the general direction of the transmitter.

How can I perform manual receive?
Hold down the lower right (D) button for about two seconds. The watch will beep to indicate that manual receive has started. Place position facing in the general

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 (D) button again. See
and time" for more information.

Check the auto signal reception setting whenever you have problems with signal reception or when the time setting produced by signal reception is incorrect.
The initial factory default contiguration of the reception settings use the watch in Japan.

| Auto Receive | TUTII | Auto Japan transmitter select <br> (40kHz/ 60 kHz$)$ |
| :--- | :---: | :--- |
| Home City | T'ITI | Tokyo |
| Summer Time | TUTII | Auto switching in accordance <br> with signal data |

## Face Illumination

Pressing the (B) button in any mode (except when a flashing setting screen is displayed
You can use the procedure under
"To specify illumination duration"
"To specify illumination duration to configure the illuminatio
duration as approximately 1.5 seconds or 3 seconds.


## mportant!

The light may be difficult to see if you turn it on under bright
It you press a button that sounds a confirmation tone to sound or if an alarm operation starts while the face is illuminated,
illumination will turn off.
Illumination is disabled
Illumination is disabled while a manual time calibration signal reive operation is in progress.

- To specify illumination duration

1. 



Time calibration signal reception is successful, but the hourly ime signal and current time are slightly off.
After the watch receives the time calibration signal, it performs an internal decoding process before updating its time setting. this, the time setting may be slightly off (within one

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

- Do you have summer time (DST) turned on (ON)?
Use the procedure under "Configuring Home City Settings" to turn Use the procedur

Time calibration signal reception is successful, but the current time setting is wrong.
Is the correct city code selected for your Home City? If you are in Japan, you should have TYO selected for your Home
City. For other areas, select the correct Home City code using the City. For other areas, select the correct Home City code using the
procedure under "Configuring Home City Settings".

3. Press the © button to toggle the illumination duration between about
1.5 seconds ( and 3 seconds and
a seconds
(indicator).

4. After the setting is the way you want, press the (A) button to exit the setting screen.

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

## World Time Mode

World Time lets you display the current time in any one of 30 cities 29 time zones) around the world.
When you enter the World Time Mode, the screen for the city that The seconds count in the World Tim the mode appears first. 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.

## mportant!

If the World Time Mode time is incorrect, correct the setting of the urrent time or change to another Home City in the Timekeeping Mode.
"Configmation about configuring timekeeping settings, see Configuring Home City Settings

## $\square$ To search for a city code

In the World Time Mode, press the (D) button.
y codes. A shor While after a city code appears, the display will change to show Holding down the (D) button scrolls at high speed.


Pressing the (A) button in the World Time Mode displays the city code of the currently selected city for about two seconds. Selecting a time zone that does not have a city code displays the
GMT time differential for that zone.

## Using Summer Time (DST)

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

To turn summer time on or off
1.

1. In the World Time Mode use the (0) button to display the screen for the city code whose summer time setting you want to
change. change.

Hold down the (A) button for about two seconds.

This toggles summer time on and off.
The "DST" indicator appears on the display and
ne hour when summer time is turned on.

- You can turn summer time on or off independently for each World Time Mode city. Note, however, that you cannot turn city code.


DST indicator

## World Time City Code List

| City <br> Code | Gififerential | City Name | City <br> Code |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| --- | -11 |  | Gifferential | City Name |  |
| JNL | -10 | Honolulu | JED | +2 | Jerusalem |
| ANC | -9 | Anchorage | THR | +3.5 | Jeddah |
| LAX | -8 | Los Angeles | DXB | +4 | Dubai |
| DEN | -7 | Denver | KBL | +4.5 | Kabul |
| CHI | -6 | Chicago | KHI | +5 | Karachi |
| NYC | -5 | New York | DEL | +5.5 | Delhi |
| CCS | -4 | Caracas | DAC | +6 | Dakar |
| RIO | -3 | Rio de Janeiro | RGN | +6.5 | Yangon |
| --- | -2 |  | BKK | +7 | Bangkok |
| --- | -1 |  | HKG | +8 | Hong Kong |
| GMT | +0 | Greenwich Mean Time | SEL | +9 | Seoul |
| LON | +0 | London | TYO | +9 | Tokyo |
| PAR | +1 | Paris | ADL | +9.5 | Adelaide |
| BER | +1 | Berlin | SYD | +10 | Sydney |
| ATH | +2 | Athens | NOU | +11 | Noumea |
| CAI | +2 | Cairo | WLG | +12 | Wellington |

Time differentials in the above table are in accordance with Universal Time Coordinated (UTC).

## Stopwatch Mode

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

## - To perform elapsed time measurement

In the Stopwatch Mode, press the (D) button to start and stop elapsed time measurement.


■ Stopwatch Mode Display Screens - Elapsed Time Measurement The display shows the minutes and seconds.


When elapsed time Time Measurement
When elapsed time measurement is paused, the display alternate between a minute/second screen and a $1 / 100$ second screen at

$\underset{\text { © }}{\square}$ Elapsed Time Measurement $\longrightarrow(\mathbb{D}$
Pressing the (A) button while timin

## Cumulative Time Measuremen

Pressing the (D) button to restart the stopwatch without resetting it to all zeros causes the elapsed time measurement to resume from where it was last stopped.

## Split Time Measurement

Pressing the (A) button while timing is being performed displays the split time screen, but timing continues internally. - Changing to another mode while a split time is displayed clears the split time operation.


Pressing the (D) button while the split time screen is on the display stops elapsed time measurement, and leaves the split time screen on the display. Press the $\AA$ A button to exit the split time screen and display the elapsed time when the measurement was stopped.


## Using the Alarms and Hourly Time Signal

The watch beeps for 10 seconds when the current time in the Timekeeping Mode reaches the alarm time you set.
The Hourly Time Signal causes the watch to beep every hour on the hour.

To display the alarm screen
In the Alarm Mode, press the (D) button to toggle the display between the alarm screen and the Hourly Time Signal screen.
When you press the © button, the screen that was displayed when you last pressed the (1) button appears first.


To turn the alarm on or of

1. In the Alarm Mode, use the (D) button to display the alarm screen.

2


``` displayed) or off ("ALLAF" displayed).
```



- To stop the alarm beeper

After the alarm starts to sound, press any button to stop it.
■ To test the alarm
In the Alarm Mode, hold down the (D) button to sound the alarm.
$\square$ To set the alarm time

1. In the Alarm Mode, press the alarm screen.

2. Hold down the © $A$ button for about two seconds.
This will cause the hour digit of the alarm time to flash. Displaying the setting screen
automatically turns on the alarm.
3. Use the (D) (+) and (B) (-) buttons to change the hour setting.

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

4. Press the © button to | $\begin{array}{l}\text { Press the © } \mathbb{C} \text { button to } \\ \text { select the minute setting. }\end{array}$ |
| :--- |
| $\begin{array}{l}\text { This causes the minute digits } \\ \text { to flash. }\end{array}$ |

- To turn the hourly time signal on or off

1. In the Alarm Mode, use the (D) button to display the Hourly Time Signal screen
2. $\begin{aligned} & \text { Press the © button to toggle the Hourly Time Signal on } \\ & \text { (" } 4 \dot{4} \text { © }\end{aligned}$


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## OASIO


5.


- 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 is when NYC, CHI, DEN, or LAX is selected as the Home City.
Note that "AUTO" can be selected only when TYO, LAX DEN, CHI, or NYC is selected as the Home City.

- OFF

This setting turns off summer time and returns to normal timekeeping
his setting turns on summer time and advances the current ime by one hour. The DST indicator appears on the display when this setting is selected.

6.
While the $12 / 24$-hour
timekeping setting is
flashing, press the ©
button to toggle between
12-hour ("12H") and $24-$
hour ("24H") timekeeping.


Indicates 12-hour or
24-hour timekeeping
7. While the seconds are selected, press the (D) in accordance with the time signal on the radio, TV, etc.

- Pressing the (D) 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
resets the seconds count without changing the minutes - Pressing the (B) button while the seconds count is flashing changes the face illumination duration. See "To specify information duration" for mor


## Adjusting the Analog Time Setting <br> You can use the Hand Setting Mode to adjust the analog time

manually when it does not match the digital time.
1.


This will cause the hour and minute setting of the digital
time to flash on the display.


Use the (D) (+) button to
Use the (®) (+) butto
adjust the hour and adjust the hour and
minute hands so the match the digital time.

- Each press of the (®) button clockwise.


Holding down the ( $($ ) button moves the hands at high speed

## High-speed Lock

While holding down the (D) button to start high-speed clockwise movement of the hands, press the (B) button to lock the
high-speed hand movement. You can then release the button
High-speed hand movement will continue until it completes a 12-hour cycle, or until you press any button to stop it.

- High-speed hand movement will also stop momentarily if an alarm starts to sound. High-speed movement will resume after the alarm stops.

3. When the setting is the way you want, press the (A) button.

- This exits the setting screen and automatically synchronizes the minute hand with the current seconds count.
The display also will exit the setting screen automatically you do not perform any operation for about two or three
Free Manuals Download Websitehttp://myh66.comhttp://usermanuals.ushttp://www.somanuals.com
http://www.4manuals.cc
http://www.manual-lib.com
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Golf course search by state
http://golfingnear.com
Email search by domain
http://emailbydomain.com
Auto manuals search
http://auto.somanuals.com
TV manuals search
http://tv.somanuals.com


[^0]:    After the watch receives the Standard Time signal, it performs
    internal calculations to determine the current time. Because of his, there may be an error of up to one second in the
    displayed time.

[^1]:    Geographic contours, nearby buildings, seasonal conditions, 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.

