

GETTING ACQUAINTED

Congratulations upon your selection of the CASIO Wrist Camera (this watch). To get the most out of your purchase, be sure to read this manual carefully, and keep the manual and everything contained in the package on hand.

About This Manual



- Button operations are indicated using the letters shown in the illustration.
- The sizes and positions of the characters shown on the sample displays in this manual may differ slightly from those that actually appear on the display of your watch.
- When performing operations with this watch, you must first enter the correct mode (Camera Mode, Timekeeping Mode, etc.) See "GENERAL GUIDE" for information about maneuvering between modes.

- 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.

- VISUAL DATABANK is a trademark of CASIO COMPUTER CO., LTD.
- Ir data communication uses Phoenix Technologies Ltd., protocol software. Compatibility Software Copyright © 1997 Phoenix Technologies Ltd., All Rights Reserved.
- CASIO COMPUTER CO., LTD. assumes no responsibility for any loss, or any claims by third parties that may arise through the use of this watch.

Warning!

- **Make sure you are in a safe place before operating the watch.**
Do not try to record images, perform complex watch operations, or look at the display of the watch while operating an automobile, motorcycle, or any other vehicle. Doing so creates the risk of serious traffic accident. When you use the watch while walking, always keep aware of other people, vehicular traffic, and surface conditions around you in order to prevent accidents.

- **Do not use the watch inside of an aircraft.**
Never use the watch inside of an aircraft or in any other area where the use of such devices is prohibited. Doing so creates the risk of accident.

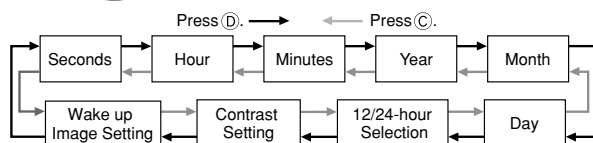
- **Always back up important data.**
Rough handling of or damage to the watch can accidentally delete image data in watch memory. Because of this, you should always keep back up copies of your images on computer disk.

BEFORE USING THE WATCH...

To set the time and date

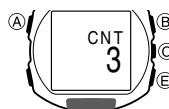


- In the Timekeeping Mode, hold down (A) for about one second until the second's digits start to flash on the display, which indicates the setting screen.
 - Use (C) and (D) to cycle around the setting screen in the sequence shown below.



- While a setting is flashing, use (E) (+) and (B) (-) to change it.
 - Holding down either button scrolls at high speed.
 - Pressing (D) while the day is flashing on the setting screen causes the indicator for the current timekeeping format (12H or 24H) to flash on the display. Each press of (E) at this time toggles between 12-hour (12H) and 24-hour (24H) timekeeping.
- When everything is the way you want it, press (A) to exit the setting screen.
 - The day of the week is set automatically in accordance with the date setting.
 - See "To adjust the display contrast" for more information about the contrast setting.
 - See "To specify the wake up screen image" for more information about the wake up image setting.

To adjust the display contrast



- In the Timekeeping Mode, hold down (A) for about one second.
- Press (C) twice to display the contrast adjustment screen.
 - The contrast setting shows a value that indicates the current contrast level. A setting of Level 3, for example, is indicated as CNT3.
- Use (B) (darker) and (E) (lighter) to adjust the contrast to any one of the nine available levels.
- Press (A) to exit the setting screen.

Note

The contrast setting described above does not affect the display of images. Image contrast can be adjusted using a separate procedure, which is described in "To adjust image brightness".

Auto Power Save



The watch automatically turns off its display screen if it is not moved for about 60 minutes. This not only conserves battery power, it also protects against "burn in" of display images.

To turn the display back on, press (F). This displays the wake up screen image for about two seconds, and then displays the Timekeeping Mode screen.

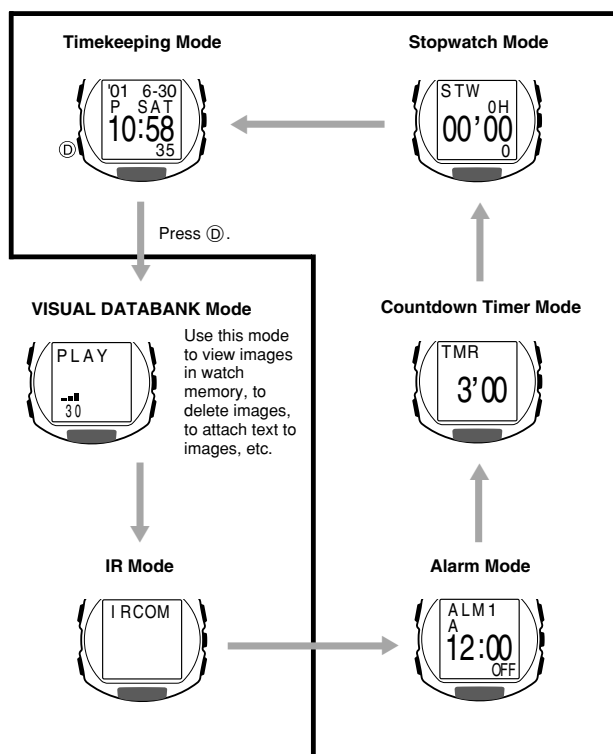
About the wake up screen

The wake up screen appears for about two seconds when you recover from the auto power save. You can use the procedure under "To specify the wake up screen image" to specify an image you recorded as the wake up screen image.

- "CASIO" flashes on the wake up screen if you do not have any wake up screen image specified or if the image you specified has been deleted.

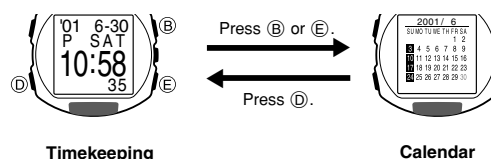
GENERAL GUIDE

Press **(D)** to change from mode to mode.



Timekeeping Mode

- Pressing **(B)** or **(E)** while in the Timekeeping Mode displays the Calendar screen.

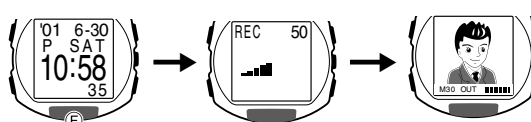


- Press **(D)** to return from the Calendar screen to the Timekeeping Mode.

Press **(F)**.

Camera Mode

- Pressing **(F)** in any mode besides the VISUAL DATABANK Mode and the IR Mode enters the Camera Mode.



- Pressing **(D)** while in the Camera Mode enters the VISUAL DATABANK Mode so you can view images you have just recorded.

CAMERA MODE

Use the Camera Mode to record images.

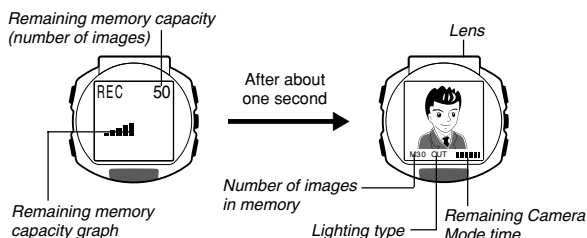
- The lens for image recording is located on the top edge of the watch.

Note

- Wrist Camera memory can store up to approximately 80 images. The actual number of images you can store depends on recording conditions. If you record many brightly lit or colorful images, for example, the total number of images you can store may be less than 80.
- The above is also true for the remaining memory capacity value. This value is an approximate number for reference purposes only. Depending on recording conditions, you may be able to store fewer images than that indicated on the display.

To record an image

- Press **(F)** to enter the Camera Mode.
 - Note that you cannot enter the Camera Mode from the VISUAL DATABANK Mode and the IR Mode.
 - The Camera Mode screen first shows remaining memory capacity for about one second, followed by the image being picked up by the lens.



- While viewing the image on the display, point the lens of the watch at the subject whose image you want to record.
- Press **(F)** to release the shutter and record the image.
 - This records the image currently on the display and stores it into memory. The image remains on the display for about three or four seconds as the record operation is being performed.

Note

- All watch button operations are disabled while the record operation is in progress.
- The watch stays in the Camera Mode for about one minute after you enter it. Then it automatically enters the VISUAL DATABANK Mode and displays the last image recorded. See "Camera Rest Interval" for more information.
- The message **REC FULL** appears on the display to indicate that memory is full. You will not be able to record an image while this message is displayed. If this happens, delete images you no longer need to make room for more images.

Camera Mode Precautions

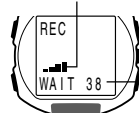
General

- Never touch the surface of the lens. Fingerprints or dirt on the lens can cause poor performance of the camera function. To clean the lens surface, use a camera lens blower to blow off any dirt or dust particles, and then wipe with a soft, dry cloth.
- Take care that you do not accidentally move the watch when you press **(F)** to release the shutter.
- Insufficient lighting can result in poor images. Shoot in daylight whenever possible. At night, shoot indoors in a well-lit area.

Camera Rest Interval

Camera Mode operations consume considerable battery power. To protect against premature rundown of its battery, the watch automatically goes into a rest interval, during which you will be unable to re-enter the Camera Mode after you exit it. The length of the rest interval is equal to the amount of time you spent in the Camera Mode before you exited it. This means that if you exit the Camera Mode after being in it for 20 seconds, you will be unable to re-enter the Camera Mode for about 20 seconds.

Remaining rest interval time indicator



Remaining rest interval time

If you try to enter the Camera Mode during a rest interval, the message **WAIT** appears on the display, along with a countdown of the remaining rest interval time.

- The maximum rest interval is 60 seconds.

Displayed Image Size and Memory Image Size

Though the size of images displayed by this watch is 120 × 120 dots, the size of the image stored in memory is 176 × 144 dots. This means that after you transfer images to your computer or another device, you can display them 176 × 144 dots.

Alarm, Hourly Time Signal, Countdown Timer Sounds

The watch does not emit any alarm, Hourly Time Signal, or Countdown Timer sound while it is in the Camera Mode.

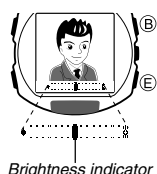
Controlling the Camera Mode Image

You can use the following procedures to adjust the brightness, to specify the type of lighting present when recording an image, and to configure the camera timer.

Adjusting Image Brightness

The watch automatically sets the brightness of the image when you record it. You can also change the brightness level manually when you want to compensate for backlighting of the subject, very dark backgrounds, etc.

To adjust image brightness



Before recording an image in the Camera Mode, use **(B)** (brighter, moves indicator to the right) and **(E)** (darker, moves indicator to the left) to adjust the brightness of the image.

- You can set brightness to one of 15 levels. The initial default level is 8.
- It may take some time after you press **(B)** or **(E)** before the change in brightness is reflected on the displayed image.
- A brightness setting you make remains in effect until you change it or exit the Camera Mode. Automatic brightness adjustment is the initial default whenever you enter the Camera Mode.

Important!

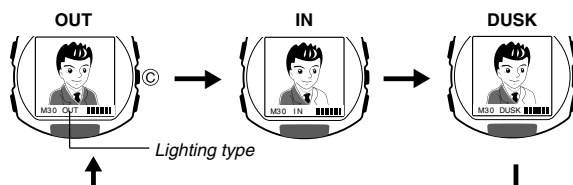
Even with manual brightness adjustment, you may not be able to obtain an acceptable image when recording images under very bright or very dark lighting conditions.

Specifying the Lighting Type

The type of lighting present when recording, greatly affects the resulting image. You can use the procedure below to set up the watch for shooting indoors or outdoors, which helps to ensure proper brightness for recorded images.

To specify the lighting type

Before recording the image in the Camera Mode, press **(C)**. Each press of **(C)** cycles through available lighting type settings in the sequence shown below.



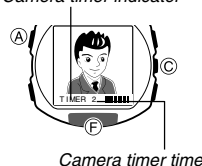
- You can select **OUT** for outdoor lighting, **IN** for indoor lighting, or **DUSK** for shooting at twilight or under other conditions where lighting is dim.
- The lighting type setting you make remains in effect until you change it or exit the Camera Mode. **OUT** is the initial default whenever you enter the Camera Mode.
- The change from **IN** to **DUSK** in the above cycle takes a bit longer than changes between other lighting settings.

Using the Camera Timer to Record Images

You can select either two seconds or 10 seconds as the camera timer start time.

To record an image using the camera timer

Camera timer indicator



- In the Camera Mode, press **(A)** to display the camera timer screen.
 - Each press of **(A)** toggles the timer time between two seconds and 10 seconds.
- Press **(F)** to start the camera timer and perform a record operation when the end of the countdown is reached.
 - The number of seconds remaining is counted down on the display.
 - To stop a camera timer countdown and reset the timer start time to its initial value, press **(F)**.
 - To exit the camera timer screen before starting the camera timer countdown, press **(C)**.
 - If the point where one minute elapses occurs while a camera timer operation is in progress, the operation continues until it is complete, after which the watch automatically returns to the VISUAL DATABANK Mode.

VISUAL DATABANK™

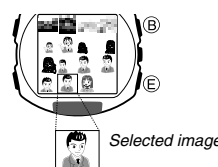
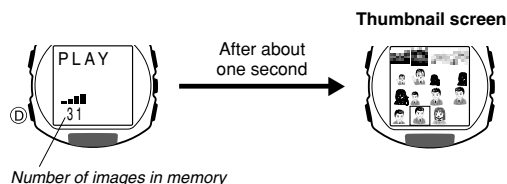
Besides viewing images, you can use the VISUAL DATABANK Mode to delete images, to attach text to images, etc.

Important!

The alarm, Hourly Time Signal, and the Countdown Timer do not sound while the VISUAL DATABANK Mode setting screen is on the display.

To view recorded images

- In the Timekeeping Mode or the Camera Mode, press **(D)** to enter the VISUAL DATABANK Mode.
 - A screen showing the number of images in memory appears for about one second, followed by a 16-image thumbnail screen. The last image you were viewing or the last image you recorded has a boundary around it on the thumbnail screen.



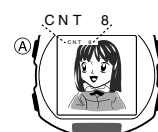
- Use **(B)** and **(E)** to move the boundary between images until the one you want is selected.
 - Holding down either button moves the boundary at high speed.
 - Press **(C)** to display a thumbnail screen of the next 16 images (when there are more than 16 images in watch memory).
- Press **(F)** to display the enlarged version of the selected image.
- While the enlarged version of the selected image is on the display, press **(C)** to display its recording date and any text assigned to the image (if there is any).
 - Each press of **(C)** toggles date and text display on and off.
 - Press **(F)** to display the thumbnail screen.
- To exit the VISUAL DATABANK Mode, press **(D)**.

Adjusting Image Contrast

Use the VISUAL DATABANK Mode to adjust image contrast.

- You can select an image contrast setting in the range of 1 (Darkest) to 15 (Lightest).
- The image contrast setting procedure is different from the display contrast procedure.

To adjust image contrast



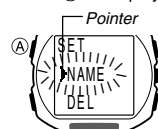
- On the VISUAL DATABANK Mode thumbnail screen, select an image and then press **(A)**.
 - This displays the image contrast setting screen, which shows the enlarged image, along with the current contrast setting.
- Use **(E)** (Lighter) and **(B)** (Darker) to adjust the contrast of the image.
- After you are finished, press **(A)** to return to the thumbnail screen.
 - The watch returns to the thumbnail screen from the image contrast setting screen automatically if you do not perform any operation for about 15 seconds.

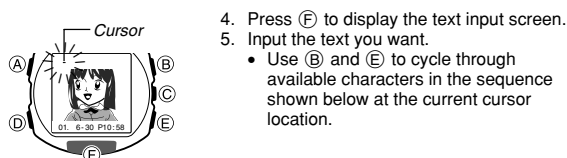
Attaching Text to an Image

You can use the following procedure to attach up to 24 characters of text for each image.

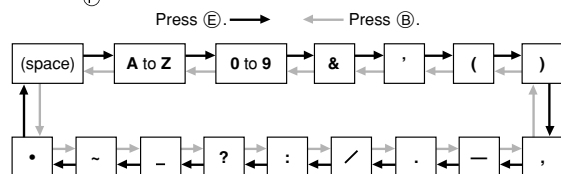
To attach text to an image

- In the VISUAL DATABANK Mode, use **(B)** and **(E)** to move the boundary to the image to which you want to attach the text.
- Press **(F)** to display the enlarged version of the selected image.
 - Hold down **(A)** for about one second until the **SET** menu appears.
 - Make sure the pointer is next to **NAME** on the menu.
 - If the pointer is not next to **NAME**, use **(B)** and **(E)** to move it there.





4. Press (E) to display the text input screen.
5. Input the text you want.
 - Use (B) and (E) to cycle through available characters in the sequence shown below at the current cursor location.



- Holding down either button scrolls at high speed.
 - Use (D) (right) and (C) (left) to move the cursor.
6. After you finish inputting the text you want, press (A) to return to the screen in step 2 of this procedure.
 - The message **WAIT SET** remains on the display as the watch saves the text, and then the image appears with the new text.

Image Sorting

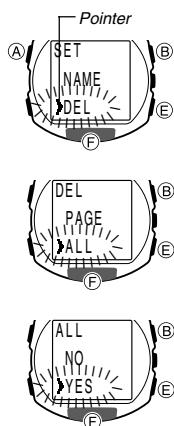
Images in watch memory are automatically sorted according to the first letter of their attached text (alpha characters → numbers → symbols). Images that do not have any attached text come last, sorted according to their recording dates (oldest first).

- If multiple images have the same text, those images are sorted according to their recording dates (oldest first).
- Images transferred to the watch using the IR Mode may not be sorted correctly.

Deleting Images

You can use the following procedures to delete a specific image or all images currently stored in watch memory.

To delete all images in watch memory



1. While any thumbnail is selected in the VISUAL DATABANK Mode, press (F) to display the enlarged version of the image.
2. Hold down (A) for about one second until the **SET** menu appears.
3. Press (B) or (E) to move the pointer to **DEL**.
4. Press (F) to display the **DEL** (delete) menu.
5. Press (B) or (E) to move the pointer to **ALL**.
6. Press (F) and a confirmation message appears on the display.
7. If you really want to delete the image, press (B) or (E) to move the pointer to **YES** and then press (F). To clear the confirmation message without deleting anything, leave the pointer at **NO** and press (F).
 - The message **WAIT SET** remains on the display as the delete operation is in progress. The message **PLAY EMPTY** appears after the delete operation is complete.

- After the **PLAY EMPTY** message appears, press (D) to enter the Timekeeping Mode, or press (D) and then (F) to enter the Camera Mode.
- You can return to the normal VISUAL DATABANK Mode during the above procedure by pressing (A) at any point before actually deleting the image in step 7.

To delete a specific image

1. In the VISUAL DATABANK Mode, use (B) and (E) to move the boundary to the image you want to delete.
2. Press (F) to display the enlarged version of the selected image.
3. Hold down (A) for about one second until the **SET** menu appears.
4. Press (B) or (E) to move the pointer to **DEL**.
5. Press (F) to display the **DEL** (delete) menu.
6. Press (B) or (E) to move the pointer to **PAGE**.
7. Press (F) and a confirmation message appears on the display.
8. If you really want to delete the image, press (B) or (E) to move the pointer to **YES** and then press (F). To clear the confirmation message without deleting anything, leave the pointer at **NO** and press (F).
 - The message **WAIT SET** remains on the display as the delete operation is in progress. The watch automatically clears the message and returns to the normal VISUAL DATABANK Mode after the delete operation is complete.

- Deleting the final image from watch memory causes the message **PLAY EMPTY** to appear, indicating that memory is empty. Press (D) to exit the message screen.
- You can exit the image delete screen during the above procedure by pressing (A) at any point before actually deleting the image in step 8.

IR MODE

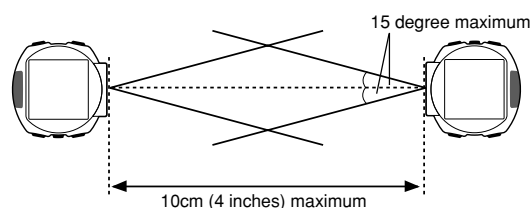
Use the IR Mode to exchange data between two watches or between your watch and computer, or some other device.

Note

An infrared adapter or an IR port is required to exchange data with this watch.

The following procedure covers data communication between two watches only. See the CD-ROM that comes with the watch and the documentation that comes with the infrared adapter for information about data communication with a computer or other device.

Exchanging Data Between Two Watches

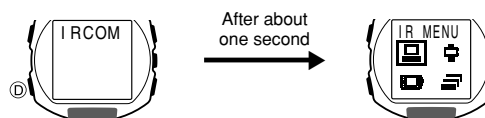


- To exchange data between two watches, orient the watches as shown above.
- The 10cm (4 inches) and 30-degree maximums shown in the above illustration apply only when the watches are pointed straight at each other. The maximum allowable distance may be less if either watch is at an angle (not pointed straight).
- At an angle of 15 degrees or more, you may need to move the two watches very close to each other.

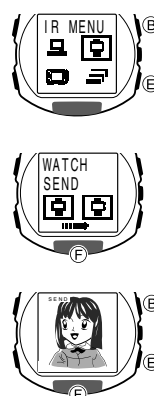
To enter the IR Mode

In the Timekeeping Mode, press (D) twice to enter the IR Mode.

- An initial screen appears for about one second, followed by the **IR** (IR Mode) menu.



To send an image



1. On the **IR** menu, use (B) or (E) to select watch (📺).
2. Press (F) to display the watch-to-watch send menu.
3. Press (F) again to display the image selection screen.
4. Use (E)(+) and (B)(-) to scroll through the images and display the one you want to send.
 - Holding down either button scrolls at high speed.
 - You can send only one image at a time between watches.
5. Align the IR ports of the two watches with each other.
 - Put the receiving watch into receive standby at this time. See "To receive an image" for more information.



6. On the sending watch, press (F) to send the displayed image.
 - The data send screen shown nearby appears while an image send operation is in progress.
 - The message **OK** appears momentarily after the image send operation is complete. Next, the watch returns to the screen in step 4 of the above procedure.
 - Pressing (A) during the above procedure displays the **IR** menu.
 - After you are finished sending images, press (D) to return to the Timekeeping Mode.

To receive an image



1. On the **IR** menu, use (B) or (E) to select watch (F).
2. Press (F) to display the watch-to-watch send menu.
3. Press (B) or (E) to display the watch-to-watch receive menu.
4. Press (F) again to enter receive standby, which is indicated by the screen nearby.
5. Align the IR ports of the two watches with each other, and perform the send operation on the sending watch.
 - See "To send an image" for more information.
 - The message **OK** appears momentarily, followed by the received image. Next, the watch returns to the screen in step 3 of the above procedure.
 - Pressing (A) during the above procedure displays the **IR** menu.
 - After you are finished receiving images, press (D) to return to the Timekeeping Mode.

Communication Errors

Screen messages appear in the IR Mode to let you know when there is a problem with data communication. When this happens, check the following to find out what you need to do. Also, you can avoid data communication problems by carefully observing the advice under "Communication Precautions".

Communication Screen Messages

WATCH SEND NG (Sender), WATCH RECEIVE NG (Receiver)	Data send or receive failed for some reason. Try again.
PLAY FULL	Memory of the receiver is full. Delete data you no longer need and try again.
REC FULL	Memory of the receiver may be full. Delete data you no longer need and try again.
PLAY EMPTY	There are not recorded images in the memory of the sender.
INTERCEPTION	Something is obstructing the path between the IR ports. Data communication will resume if you remove the obstruction within about six seconds. If the problem is not corrected within about six seconds, the error message changes to NG .
CONVERT	This message appears while a watch is processing image data before sending it or after receiving it.

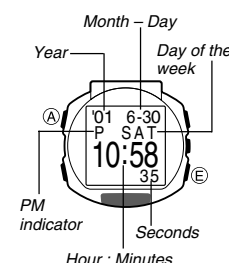
Other Messages

PLAY ERROR	Some problem occurred while accessing flash memory.
REC ERROR	Data cannot be written because some problem occurred while accessing flash memory.
IR COM ERROR	Some problem occurred while accessing flash memory.
• When one of the above three errors occurs, first try deleting all data in flash memory. If this does not correct the problem, contact the store or dealer where you purchased the watch.	
WAIT SET NG	Some problem occurred while rewriting flash memory data. Try performing the operation again.

Communication Precautions

- The two IR ports must be within 10cm (4 inches) and 30 degrees of each other.
- Proper data communication may also be impossible if the two IR ports are too close to each other.
- At an angle of 15 degrees or more, you may need to move the two IR ports very close to each other.
- Do not move the watch while communication is in progress.
- Make sure there is nothing between the two IR ports that blocks the path of the IR signal.
- Infrared communication may not be possible in areas where lighting is bright, near a window, etc.
- In the case of inverter fluorescent lighting or other very strong light, try turning off the light or move to an area where light is not shining directly onto the infrared ports.
- An unrelated nearby IR data communication operation can interfere with proper IR data communication.
- The maximum allowable distance between the IR ports may be less than 10cm when watch battery power is low.
- The watch automatically returns to the **IR** (IR Mode) menu about five minutes after the image selection screen or receive standby screen is displayed. If the point where five minutes elapse occurs while a data send/receive operation is in progress, the operation continues until it is complete, after which the watch automatically returns to the **IR** menu.

TIMEKEEPING



The Timekeeping Mode is the default mode of the watch when you are not recording images, using the stopwatch, etc.

- See "To set the time and date" about setting the time and date, and for selecting either 12-hour or 24-hour timekeeping.

Note

You can also make watch time and date settings on your computer using the link software that comes bundled with the watch. See the WQV Link 2.0 user's manual on the CD-ROM that comes with the watch for more information.

To reset the second's count to zero

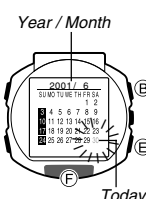
1. In the Timekeeping Mode, hold down (A) for about one second until the second's digits start to flash, which indicates the setting screen.
2. Press (E) to reset the second's count to **00**.
 - Pressing (E) while the second's count is in the range of 30 to 59 resets the seconds to **00** and add 1 to the minutes. In the range of 00 to 29, the minute's count is unchanged.
3. Press (A) to exit the setting screen.

To specify the wake up screen image



1. In the Timekeeping Mode, hold down (A) for about one second until the second's digits start to flash, which indicates the setting screen.
2. Press (C) to display the wake up screen image setting screen.
3. Use (E) and (B) to scroll through images in watch memory.
 - Holding down either button scrolls at high speed.
 - "CASIO" appears if there are no recorded images in watch memory.
4. Press (A) to exit the setting screen.

Using the Calendar Screen



The Calendar screen shows holidays and other information for a full month at a glance.

- Pressing (B) or (E) while in the Timekeeping Mode displays the Calendar screen.
- Press (D) to return from the Calendar screen to the Timekeeping Mode.
- You can turn holiday highlighting on and off using the procedure under "To turn holiday highlighting on and off" below.

To view the calendar of a specific month

1. In the Timekeeping Mode, press (B) or (E) to display the Calendar screen.
 - The current month appears first, with today's date flashing (according to Timekeeping Mode time and date).
2. Use (E) (+) and (B) (-) to scroll through months until the one you want is displayed.
 - Holding down either button scrolls at high speed.
 - The full-auto calendar automatically makes adjustments for month lengths, including leap years, from January 2000 to December 2039.

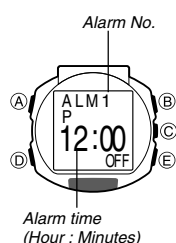
To turn holiday highlighting on and off

1. Display the Calendar screen and scroll to the month that contains the date you want to highlight or unhighlight.
2. Hold down (A) for about one second, until the first day of the displayed month starts to flash, which indicates the setting screen.
 - The first day of the month flashes because it is *selected*.
3. Use (E) (+) and (B) (-) to move the flashing around the calendar to the date whose highlighting you want to turn on or off.
 - Holding down either button moves the flashing at high speed.
4. When the date you want is flashing, press (F) to toggle its highlighting on and off.
5. After all date highlighting for the month is the way you want, press (A) to save your settings and exit the setting screen.
 - The message **WAIT SET** appears on the display for a few moments as the watch saves your settings.

Note

You can also make watch holiday settings on your computer using the link software that comes bundled with the watch. See the WQV Link 2.0 user's manual on the CD-ROM that comes with the watch for more information.

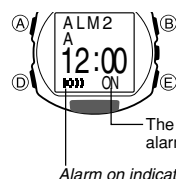
ALARM



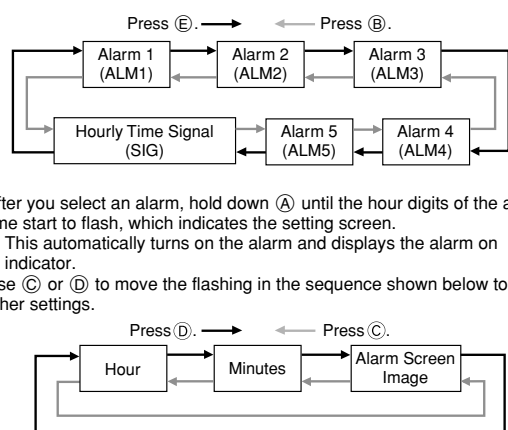
You can set up to five independent Daily Alarms, and assign images in watch memory to each alarm so the image flashes on the display while the alarm is sounding. When the Hourly Time Signal is turned on, the watch beeps every hour on the hour.

- "CASIO" flashes on the screen if you do not have any alarm screen image specified or if the image you specified has been deleted.
- Alarm settings (and Hourly Time Signal settings) are available in the Alarm Mode, which you can enter by pressing (D).

To set the alarm time and alarm screen image



1. In the Alarm Mode, use (B) and (E) to select the alarm (1 to 5) whose time you want to set.



2. After you select an alarm, hold down (A) until the hour digits of the alarm time start to flash, which indicates the setting screen.
 - This automatically turns on the alarm and displays the alarm on indicator.
3. Use (C) or (D) to move the flashing in the sequence shown below to select other settings.
 - Press (D) to move to the next setting.
 - Press (C) to move to the previous setting.
4. Use (E) (+) and (B) (-) to change the flashing setting.
 - While the alarm screen image is flashing on the display, press (E) or (B) to scroll through images in watch memory. Display the one you want to use as your alarm screen image.
 - Holding down either button changes the setting at high speed.
 - When setting the alarm time using the 12-hour format, take care to set the time correctly as am (A indicator) or pm (P indicator).
5. Press (A) to exit the setting screen.

Alarm Operation

When an alarm is turned on, the alarm tone sounds for 20 seconds at the preset time each day with an alarm screen image flashing on the display. Press any button to stop the alarm after it starts to sound.

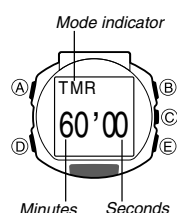
To test the alarm

In the Alarm Mode, hold down (C) to sound the alarm.

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

1. In the Alarm Mode, use (B) and (E) to select an alarm or the Hourly Time Signal you want to turn on or off.
2. Press (C) to turn it on and off.
 - The alarm on indicator (ON) and the Hourly Time Signal on indicator (SIG) are shown on the display in the Timekeeping, Alarm, Countdown Timer, and Stopwatch Modes.
 - If any alarm is on, the alarm on indicator is shown on the display.

COUNTDOWN TIMER



You can set the Countdown Timer within a range of 1 to 60 minutes. You can assign an image in watch memory as the countdown timer screen image, which flashes on the display while the countdown timer alarm is sounding.

- "CASIO" flashes on the screen if you do not have any countdown timer screen image specified or if the image you specified has been deleted.
- All of the operations in this section can be performed in the Countdown Timer Mode, which you can enter by pressing (D).

To set the countdown start time and countdown timer screen image



1. In the Countdown Timer Mode, hold down (A) until the minutes setting of the countdown timer starts to flash, which indicates the setting screen.
2. Press (C) or (D) to toggle between the minutes setting screen and countdown timer screen image setting screen.
3. Use (E) (+) and (B) (-) to change the flashing setting.
 - While the countdown timer screen image is flashing on the display, press (E) or (B) to scroll through images in watch memory. Display the one you want to use as your countdown timer screen image.
 - Holding down either button changes the setting at high speed.
4. Press (A) to exit the setting screen.

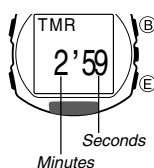
Countdown Timer Operation

A countdown timer screen image flashes on the display and an alarm sounds for 10 seconds when the countdown reaches zero.

Press any button to stop the alarm after it starts to sound.

- The countdown time is automatically reset to its start time after the alarm stops.

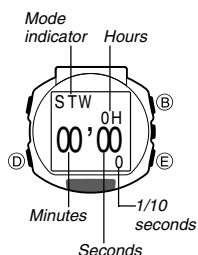
To use the Countdown Timer



Press (E) while in the Countdown Timer Mode to start the countdown timer.

- The time is counted down on the display in one-second increments.
- Pressing (E) while a countdown operation is in progress pauses the countdown. Press (E) again to resume the operation.
- Pressing (B) while a countdown is stopped resets the countdown to the countdown start time.

STOPWATCH

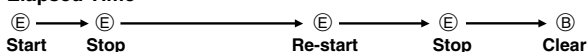


The stopwatch lets you measure elapsed time, split times, and two finishes.

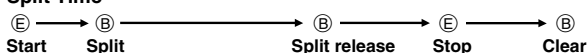
- The display range of the stopwatch is 23 hours, 59 minutes, 59.9 seconds.
- The stopwatch continues to run, restarting from zero after it reaches its limit, until you stop it.
- The stopwatch measurement operation continues even if you exit the Stopwatch Mode.
- All of the operations in this section are performed in the Stopwatch Mode, which you enter by pressing (D).

To measure times with the stopwatch

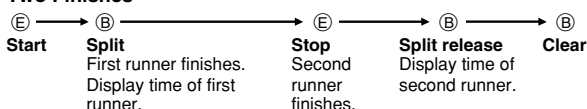
Elapsed Time



Split Time



Two Finishes



POWER SUPPLY

About the Pre-installed Battery

The battery installed at the factory discharges during shipment and inventory storage. Because of this, it may not provide the normal battery life specified for this watch.

- It is up to you to purchase a battery for replacement, even if the battery you are replacing does not last for the specified battery life period.

Low Battery Indication

As the battery goes low, the watch gradually disables functions to conserve remaining power, as described below.

Low battery indicator



Step 1

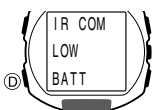
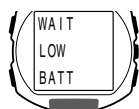
The low battery indicator flashes on the display when battery power drops below a certain level. At this time, the following functions become disabled.

- Entry to the Camera Mode
- VISUAL DATABANK Mode text input and image data deletion
- IR Mode data communication

Step 2

If you do not replace the battery within about 24 hours, the low battery indicator stops flashing and remains on the display and the following function also becomes disabled.

- Daily alarm and countdown timer alarm sound (only the screen image flashes)



Note

- Attempting to access any of the disabled functions listed in Step 1 and Step 2 above causes the message **LOW BATT** to appear and let you know that the function is not available due to low battery power.
- The **LOW BATT** message remains on the display for about one second.
- When the **IR COM LOW BATT** message appears when you enter the IR Mode, pressing (D) exits the message screen.

Note that CASIO shall not be held responsible for any damage or loss, including but not limited to lost profits, by you or any third party due to data deletion or modification due to malfunction, repairs, battery replacement, etc.

Battery Precautions

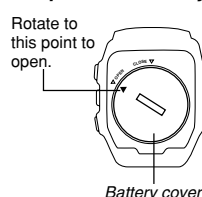
Incorrectly using a battery can cause it to burst or leak, possibly damaging the interior of the watch. Note the following precautions.

- This watch is powered by a single CR-2032 lithium battery.

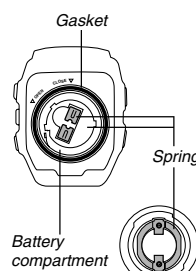
- We strongly urge that you use only the type of battery specifically recommended in this manual.
- Damage to or dirt, dust, moisture on the inside of the battery cover and the battery compartment or on the surface that comes into contact with the rubber seal (gasket) can cause loss of water resistance. Keep such areas clean and free of moisture.
- Never leave a dead or weak battery in the battery compartment. Doing so runs the risk of damage and malfunction due to battery fluid leaks.
- Be sure to dispose of old batteries according to the local laws and regulations in your area.
- Improperly replacing the battery can result in damage to the watch. Repairing such damage will be charged to you, so take care to replace the battery correctly.
- Never try to take the battery apart, or expose it to heat or direct flame. Take care that the positive and negative ends of the battery never become shorted.
- The battery installed at the factory is not rechargeable. Never try to charge it.
- Should battery fluid ever leak inside the battery compartment, immediately use a dry rag to wipe it out while taking care not to get any fluid on your hands.

Keep batteries out of the reach of small children. If accidentally swallowed, immediately contact a physician.

To replace the battery



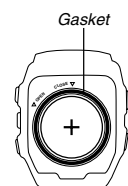
Battery cover



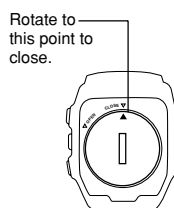
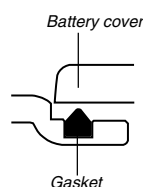
Inside of battery cover

1. Open the battery cover.
 - Insert a coin or other similar object into the slot in the battery cover and rotate the cover to the **OPEN** position.
 - Do not use undue force when rotating the battery cover. Doing so can damage the cover.

2. Remove the old battery.
 - If you have trouble removing the battery, try turning the back of the watch downwards so it falls out.
 - Take care that you do not lose the battery compartment gasket.
 - Keep your fingers away from the spring inside the battery compartment. The sharp edges of the spring create the risk of personal injury.



3. Load a new battery
 - Wipe the surfaces of a new battery with a dry cloth, and load the battery into the watch with its plus (+) side facing up (so you can see it).
 - Never pick up the battery with tweezers contacting the top surface and bottom surface at the same time. Doing so creates a short.
 - If the gasket comes out when you remove the battery, be sure to replace it before loading the battery. You will not be able to load the battery properly if the gasket is not in place.
 - Whenever replacing the gasket, make sure there is no dust or dirt on it.
 - Note the triangular shape of the gasket material. The flat surface (the base of the triangle) is the bottom, which should be against the watch body when the gasket is installed. The pointed surface (the peak of the triangle) is the top, which contacts the battery cover.



4. Close the battery cover.
 - Replace the battery cover, and rotate it to the **CLOSE** position using a coin or other similar object.

Settings Following Battery Replacement

The watch retains image data in memory when you replace the battery. However, the current time, date, alarm settings, and countdown start time are all cleared. Be sure you make these settings each time you replace the battery.

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

- After you perform an operation in any mode, pressing **Ⓢ** returns to the Timekeeping Mode.
- The watch automatically switches to the Timekeeping Mode if you do not perform any operation for about two minutes in any mode screen except for the Stopwatch Mode and Camera Mode.
- The watch automatically switches to the Timekeeping Mode if you do not perform any operation for about one minute while the Calendar screen is on the display.
- In any setting screen except for the IR Mode, the watch automatically exits the setting screen if you do not perform any operation for about one minute.
- If you do not perform an operation for about five minutes after displaying the IR Mode send/receive menu, the watch automatically returns to the IR Mode screen.

Timekeeping

- The watch's built-in full automatic calendar makes allowances for different month lengths and leap years.
- The year can be set in the range of 2000 to 2039. Going past December 31, 2039 reverts to January 1, 2000.

12-hour/24-hour Timekeeping Formats

The timekeeping format you select is applied in all modes.

- With the 12-hour format, the **P** (PM) indicator appears to the left of the hour digits for times in the range of noon to 11:59 p.m. The **A** (AM) indicator appears to the left of the hour digits for times in the range of midnight to 11:59 a.m.
- With the 24-hour format, times are indicated in the range of 0:00 to 23:59, without any indicator.

Alarm and Countdown Timer

The Daily Alarm, Hourly Time Signal and Countdown Timer alarm does not sound while the watch is in the Camera Mode or IR Mode, or while the Calendar or VISUAL DATABANK Mode setting screen is on the display.

Auto Power Save

The watch automatically turns off its display screen if it is not moved for about 60 minutes.

If a daily alarm time or the end of a countdown timer countdown is reached while the display is blank, the display is turned on and the applicable screen image appears while the alarm is sounding. After that, the display goes blank again. Pressing **Ⓢ** while an alarm is sounding stops the alarm, displays the wake up screen image, and then enters the Timekeeping Mode. Pressing any other button to stop the alarm causes the display to go blank.