

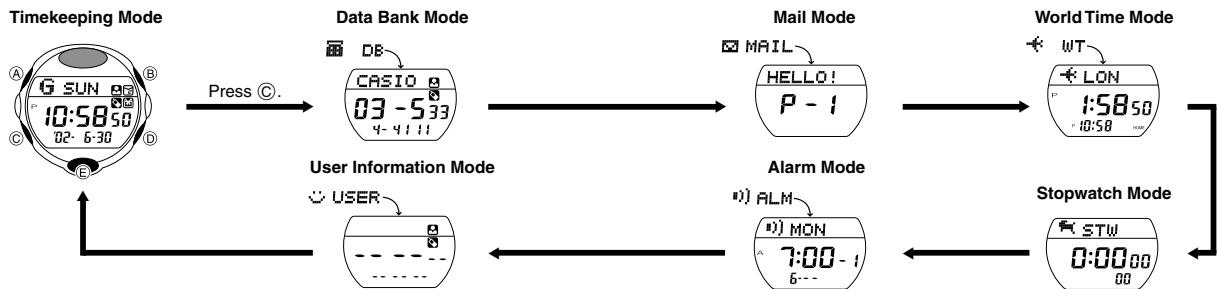
About This Manual



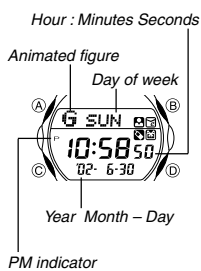
- Button operations are indicated using the letters shown in the illustration.
- Each section of this manual provides you with the information you need to perform operations in each mode. Further details and technical information can be found in the "Reference" section.

General Guide

- Press **C** to change from mode to mode.
- In any mode, press **A** to illuminate the display.



Timekeeping



Use the Timekeeping Mode to set and view the current time and date. You can also select the Timekeeping Mode display format (time and date or time and world time).

- In the Timekeeping Mode, animated figures appear whenever you press **A** to turn on the backlight, and whenever the minutes reach **00**.
- You can also use the Timekeeping Mode to exchange user information by infrared. See "Data Communication" for more information.

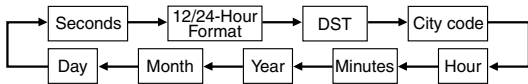
Read This Before You Set the Time and Date !

The times displayed in the Timekeeping Mode and World Time Mode are linked. Because of this, make sure you select a city code for your Home City (the city where you normally use the watch) before you set the time and date.

To set the time and date



1. In the Timekeeping Mode, hold down **A** until the seconds start to flash, which indicates the setting screen.
2. Press **C** to move the flashing in the sequence shown below to select other settings.



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

Setting	Screen	Button Operations
Seconds	10:58 50	Press D to reset to 00 .
12/24-Hour Format	12H	Press D to toggle between 12-hour (12H) and 24-hour (24H) timekeeping.
DST	OFF	Press D to toggle between Daylight Saving Time (ON) and Standard Time (OFF).
City Code	TYO	Use D (east) and B (west) to change the setting. • For full information on city codes, see the "City Code Table."
Hour, Minutes, Year, Month, Day	10:58 50 02-6-30	Use D (+) and B (-) to change the setting.

4. Press **A** to exit the setting screen.
- See "Daylight Saving Time (DST)" below for details about DST setting.
- The 12-hour/24-hour timekeeping format you select in the Timekeeping Mode is applied in all modes.
- The day of the week is automatically displayed in accordance with the date (year, month, and day) settings.

Daylight Saving Time (DST)

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

To toggle the Timekeeping Mode time between DST and Standard Time

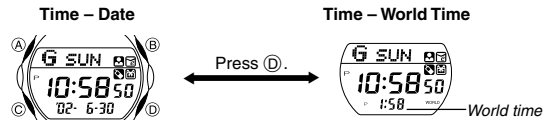


1. In the Timekeeping Mode, hold down **A** until the seconds start to flash, which indicates the setting screen.
2. Press **C** twice to display the DST setting screen.
3. Press **D** to toggle between Daylight Saving Time (ON displayed) and Standard Time (OFF displayed).
4. Press **A** to exit the setting screen.

- The DST indicator appears on the display to indicate that Daylight Saving Time is turned on.

To select the Timekeeping Mode screen format

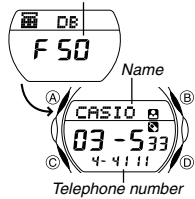
Each press of **D** in the Timekeeping Mode toggles the display between the Time-Date screen and the Time-World Time screen.



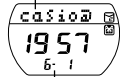
- The world time that appears is the one that was on the display when you last exited the World Time Mode. See "World Time" for more information.

Data Bank

Remaining memory



e-mail address

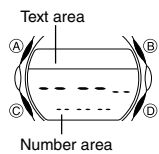


Date of birth

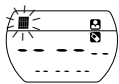
The Data Bank Mode lets you store up to 60 records, each containing a name, telephone number, e-mail address, and date of birth. Records are automatically sorted based on the characters of the name. You can recall records by scrolling through them on the display.

- Instead of an e-mail address, you can use Data Bank Mode memory to store addresses, mobile phone numbers, URLs, etc.
- See "Sort Table" for details on how the watch sorts records.
- All of the operations in this section are performed in the Data Bank Mode, which you enter by pressing **C**.
- See "Data Communication" for information about exchanging Data Bank records.

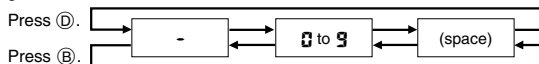
To create a new Data Bank record



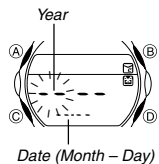
New Data Screen



- In the Data Bank Mode, use **B** and **D** to cycle through the record screens until the new data screen appears.
 - The new data screen is the one that is blank (contains no name and telephone number).
 - If the message **F.L.I.L.L.** appears on the display, it means that memory is full. To store another record, you will first have to delete some of the records stored in memory.
- Hold down **A** until the flashing cursor (■) appears in the text area of the display.
 - Steps 3 through 9 describe how to input a name, telephone number, e-mail address, and date of birth into the record. If you want to exit the setting screen and store the data you have input up to any point during steps 3 through 9, press **A** twice.
- Input the name.
 - You can input up to eight characters for the name.
 - Use **D** (+) and **B** (-) to cycle through characters at the cursor position, and then press **C** to move the cursor to the right. See "Inputting Text" for more information.
 - Pressing **C** while the cursor is located at the eighth character moves the cursor to the first digit of the number area.
- After you input the name, press **C** as many times as necessary to move the cursor to the number area (if it is not already there).
- Input the telephone number.
 - Use **D** (+) and **B** (-) to cycle through numbers at the cursor position in the sequence shown below, and then press **C** to move the cursor to the right.



- You can input up to 12 digits for the telephone number. Pressing **C** while the cursor is located at the 12th digit displays the date of birth input screen.



Date (Month - Day)



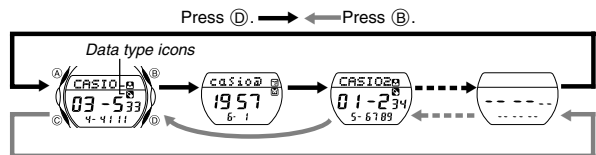
- Use **D** (+) and **B** (-) to cycle through characters at the cursor position, and then press **C** to move the cursor to the right. See "Inputting Text" for more information.

- After inputting the phone number, press **C** as many times as necessary to display the date of birth input screen.
- Input the date of birth.
 - Use **D** (+) and **B** (-) to change the setting at the current cursor position, and then press **C** to move the cursor to the right.
 - Input four digits (2 + 2) for the year.
- While the cursor is located at the day setting of the date of birth, press **C** to move the cursor to the text area.
- Input the e-mail address.
 - You can input up to 32 characters for the e-mail address.

- After the e-mail address is the way you want, press **A** to store the record.
 - When you press **A** to store data, the message **ΣOFFT** appears on the display for a while, indicating that data is being sorted. After the sort operation is complete, the cursor appears in the text area, ready for input of a new Data Bank record.
 - Depending on how many records you have in memory, the sort operation can take up to 20 seconds.
- Input more data (starting from step 3) or press **A** again to return to the Data Bank record name and telephone number screen (without the cursor).
 - The name can show six characters at a time, so longer text scrolls continuously from right to left. The last character is indicated by the symbol ◀ after it.

To recall Data Bank records

In the Data Bank Mode, use **D** (+) and **B** (-) to scroll through Data Bank record screens on the display.



- Each Data Bank record has a Name/Telephone Number screen, and an E-mail Address/Date of Birth screen. The Name/Telephone Number screen always appears first.
- Note that the E-mail Address/Date of Birth screen does not appear if it does not contain at least e-mail address or date of birth data. In this case, pressing **D** scrolls to the next Data Bank record.
- A data type icon indicates the type of data that is displayed to the left of it: **A** (Name), **B** (Telephone number), **C** (e-mail address), **D** (date of birth).
- Pressing **B** returns to the previous record's Name/Telephone Number screen, not the previous record's E-mail Address/Date of Birth screen.
- The e-mail address can show six characters at a time. Longer text is displayed by alternating 6-character blocks at regular intervals. The last character of the address is indicated by the symbol ◀ after it.
- Pressing **D** while the last Data Bank record (Name/Telephone Number screen or E-mail Address/Date of Birth screen) is on the display or **B** while the first record (Name/Telephone Number screen) is on the display displays the new data screen.

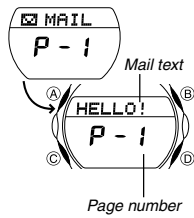
To edit a Data Bank record

- In the Data Bank Mode, use **D** (+) and **B** (-) to scroll through the record screens and display the one you want to edit.
- Hold down **A** until the flashing cursor appears on the display.
- Use **C** to move the cursor to the character or digits you want to change.
- Use **D** (+) and **B** (-) to change the character.
- After making the changes that you want, press **A** to store the record.
 - **ΣOFFT** appears on the display indicating that data is being sorted. After that, the record's Name/Telephone Number screen appears.

To delete a Data Bank record

- In the Data Bank Mode, use **D** (+) and **B** (-) to scroll through the record screens and display the one you want to delete.
 - Note that performing the next two steps deletes the entire record, regardless of whether you start from the Name/Telephone Number screen or the E-mail Address/Date of Birth screen. You cannot delete only Name/Telephone Number screen or E-mail Address/Date of Birth screen data.
- Hold down **A** until the flashing cursor appears on the display.
- Press **D** and **B** at the same time to delete the record.
 - The message **CLFFF** appears to indicate that the record is being deleted. After the record is deleted, the cursor appears on the display, ready for input.
- Input data or press **A** to return to the new data screen.
 - Pressing **A** causes the **ΣOFFT** to appear on the display indicating that data is being sorted. After that, the new data screen appears.

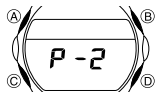
Mail



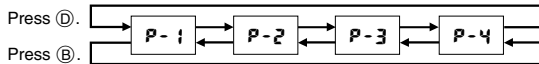
The Mail Mode lets you input up to four mail messages of up to 30 characters each. Input mail text can be sent to and received from another watch by IR.

- Mail messages are identified by page numbers **P-1** through **P-4**.
- Up to six characters of mail text can be displayed at a time, so longer text is displayed by alternating 6-character blocks at regular intervals. The last character of mail text is indicated by the symbol ◀ after it.
- All of the operations in this section are performed in the Mail Mode, which you enter by pressing **C**.
- See "Data Communication" for information about exchanging mail messages.

To input mail text



- In the Mail Mode, use **D** and **B** to select the mail message page where you want to input text.
 - Note that page **P-4** is also used to store received mail text. This means that if you receive a mail message while you have text stored on page **P-4**, the existing text will be overwritten by the newly received message.



- Hold down **A** until the flashing cursor (█) appears on the display.
- Input the text you want.
 - Use **D** (+) and **B** (-) to cycle through characters at the cursor position, and then press **C** to move the cursor to the right. See "Inputting Text" for more information.
- After inputting your text, press **A** to store it.

To edit mail message text

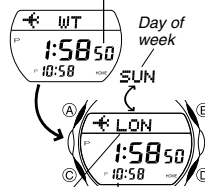
- In the Mail Mode, use **D** (+) and **B** (-) to scroll through the messages and display the one you want to edit.
- Hold down **A** until the flashing cursor appears on the display.
- Use **C** to move the cursor to the character you want to change.
- Use **D** (+) and **B** (-) to change the character.
- After making the changes that you want, press **A** to store them and return to the mail message screen.

To delete a mail message

- In the Mail Mode, use **D** (+) and **B** (-) to scroll through the messages and display the one you want to delete.
- Hold down **A** until the flashing cursor appears on the display.
- Press **D** and **B** at the same time to delete the message.
 - **CLF** appears to indicate that the message is being deleted. After the message is deleted, the cursor appears on the display, ready for input.
- Input text, or press **A** to return to the mail message screen.

World Time

Current time in the zone of the selected city code



City code
Timekeeping Mode time (Home time)

World Time shows the current time in 40 cities (27 time zones) around the world.

- If the current time shown for a city is wrong, check your Timekeeping Mode time and Home City code settings and make the necessary changes.
- The upper part of the display alternates between the city code and the day of the week.
- All of the operations in this section are performed in the World Time Mode, which you enter by pressing **C**.

To view the time in another city code

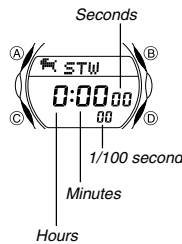
- In the World Time Mode, press **D** to scroll through city codes (time zones) to the east or **B** to scroll to the west.
- For full information about city codes, see the "City Code Table."

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



- In the World Time Mode, use **D** and **B** to display the city code whose Standard Time/Daylight Saving Time setting you want to change.
- Hold down **A** for about two seconds to toggle Daylight Saving Time (**DST** displayed) and Standard Time (**DST** not displayed).
 - The **DST** indicator is on the display whenever you display a city code for which Daylight Saving Time is turned on.
 - Note that the DST/Standard Time setting affects only the currently displayed city code. Other city codes are not affected.

Stopwatch

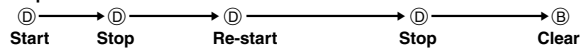


The stopwatch lets you measure elapsed time, split times, and two finishes.

- The display range of the stopwatch is 23 hours, 59 minutes, 59.99 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.
- Exiting the Stopwatch Mode while a split time is frozen on the display clears the split time and returns to elapsed time measurement.
- All of the operations in this section are performed in the Stopwatch Mode, which you enter by pressing **C**.

To measure times with the stopwatch

Elapsed Time



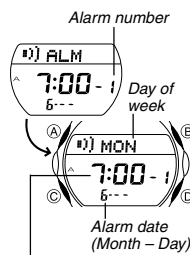
Split Time



Two Finishes



Alarms



Alarm time (Hour : Minutes)

You can set up to five independent multi-function alarms with hour, minutes, month, day, and day of the week. When an alarm is turned on, the alarm tone sounds when the alarm time is reached. You can also turn on an Hourly Time Signal that causes the watch to beep twice every hour on the hour.

- There are five alarm screens numbered 1 through 5. The hourly time signal screen is indicated by **S I E**.
- Alarm settings (and Hourly Time Signal settings) are available in the Alarm Mode, which you enter by pressing **C**.

Alarm Types

The alarm type is determined by the settings you make, as described below.

• Daily alarm

Set the hour and minutes for the alarm time. This type of setting causes the alarm to sound everyday at the time you set.

• Date alarm

Set the month, day, hour and minutes for the alarm time. This type of setting causes the alarm to sound at the specific time, on the specific date you set.

• 1-Month alarm

Set the month, hour and minutes for the alarm time. This type of setting causes the alarm to sound everyday at the time you set, only during the month you set.

Monthly alarm

Set the day, hour and minutes for the alarm time. This type of setting causes the alarm to sound every month at the time you set, on the day you set.

Weekly alarm

Set the day of the week, hour and minutes for the alarm time. This type of setting causes the alarm to sound every week at the time you set, on the day of the week you set.

Note

- In addition to the alarm types described above, you can also set up alarms with the following two configurations.

Hour, minutes, month, day of the week

This type of alarm sounds at the specified time whenever the specified day of the week occurs during the specified month.

Hour, minutes, day, day of the week

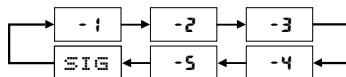
This type of alarm sounds at the specified time each time the specified day falls on the specified day of the week.

- Alarms sound in accordance with the time (and year, month, day, day of the week) kept by the Timekeeping Mode. Because of this, the alarm will not sound if your settings specify a condition that does not exist. For example, June 30, 2002 falls on a Sunday. If you set an alarm for Tuesday, June 30, it will not sound during 2002.

To set an alarm time



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



Alarm on indicator



- After you select an alarm, hold down **(A)** until the hour setting of the alarm time starts to flash, which indicates the setting screen.
 - This operation automatically turns on the alarm.
- Press **(C)** to move the flashing in the sequence shown below to select other settings.



- While a setting is flashing, use **(D)** (+) and **(B)** (-) to change it.
 - To set an alarm that does not include a month and/or day, set -- for each setting.
 - To set an alarm that does not include the day of the week, set ----- for the setting.
 - When setting the alarm time using the 12-hour format, take care to set the time correctly as a.m. (**(A)** indicator) or p.m. (**(P)** indicator).
- Press **(A)** to exit the setting screen.

Alarm Operation

The alarm sounds at the preset time for about 20 seconds, or until you stop it by pressing any button.

- An alarm does not sound if its preset time is reached while an IR data communication operation is in progress.

To test the alarm

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

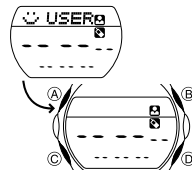
To turn an alarm and the Hourly Time Signal on and off

- In the Alarm Mode, press **(D)** to select an alarm or the Hourly Time Signal.
- When the alarm or the Hourly Time Signal you want to is selected, press **(B)** to turn it on and off.
 - ⌘ indicates alarm is on.
 - ⬢ indicates Hourly Time Signal is on.

Note

- The on (⌘ displayed)/off (⌘ not displayed) status of an alarm is indicated on the corresponding alarm screen (1 through 5). The Hourly Time Signal on (⬢ displayed)/off (⬢ not displayed) status is indicated on all alarm screens.
- When the Hourly Time Signal and an alarm are both turned on, the indicators appear as ⌘⬢.
- The alarm on indicator and the Hourly Time Signal on indicator are shown on the display in all modes while these functions are turned on.
- If any alarm is on, the alarm on indicator is shown on the display in all modes.

User Information



User information identifies the watch as yours. It also provides a record of your name, phone numbers, e-mail address, and the date of birth when such information is required.

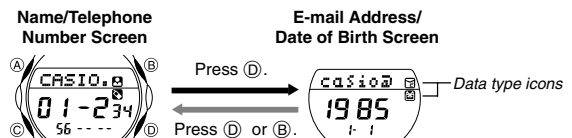
- All of the operations in this section are performed in the User Information Mode, which you enter by pressing **(C)**.
- See "Data Communication" for information about exchanging user information.

To input user information

- In the User Information Mode, hold down **(A)** until the flashing cursor (█) appears in the text area of the display. This is the input screen.
- Input your user information by performing the procedure starting from step 3 under "To create a new Data Bank record".
- Pressing **(A)** at any time during user information input exits the input screen and displays the current user information.

To recall user information

Pressing **(D)** in the User Information Mode switches between the Name/Telephone Number screen and the E-mail Address/Date of Birth screen. Note that the E-mail Address/Date of Birth screen does not appear unless it contains at least e-mail address or date of birth data.



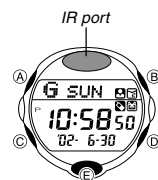
To edit user information

- In the User Information Mode, hold down **(A)** until the flashing cursor appears on the display.
- Use **(C)** to move the cursor to the character or digits you want to change.
- Use **(D)** (+) and **(B)** (-) to change the character.
- After making the changes that you want, press **(A)** to store the record.

To delete user information

- In the User Information Mode, hold down **(A)** until the flashing cursor appears on the display.
- Press **(D)** and **(B)** at the same time to delete the information.
 - The message CLEAR appears to indicate that the information is being deleted. After that, the cursor appears on the display, ready for input.
- Input information or press **(A)** to exit the input screen.

Data Communication

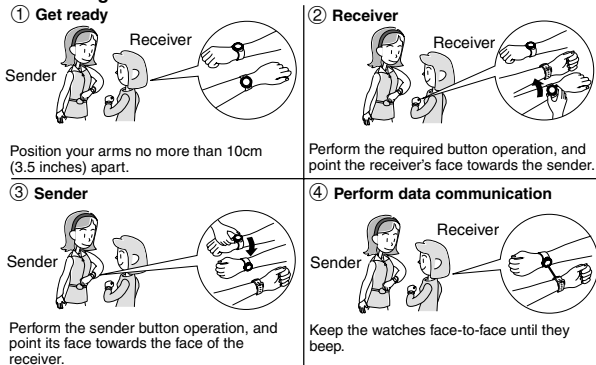


This section describes how to perform IR data communication and exchange Data Bank Mode, Mail Mode, and User Information Mode data with another Module No. 2496 watch.

Important!

- Infrared is an invisible type of light that travels in a straight line. Because of this, the IR ports of two devices that are trying to communicate must point directly at each other.
- In order to help ensure you and your partner can exchange data without any problem, be sure that you and the person with whom you are communicating follow the steps outlined below.

Positioning the Watches for Communication



- Note the following important points whenever performing a data communication operation.
 - ✓ Make sure the two IR ports are pointed directly at each other.
 - ✓ Make sure the two IR ports are within 10cm (3.5 inches) of each other.
 - ✓ Keep the watches still until they beep, which indicates the end of data communication.
 - ✓ To help ensure the watches remain still, do not try to look at their displays until they beep.
 - ✓ Align the IR ports of the two watches within 10 seconds after performing the button operations to set up the sender and receiver.
- In the case of user information, the two watches exchange their information with each other. See "Exchanging User Information" for more information.
- Data Bank data can be sent one record at a time, while Mail data can be sent one message at a time. See "Communicating with Another Watch" for more information.
- If you experience problems with data communication, see "Troubleshooting".

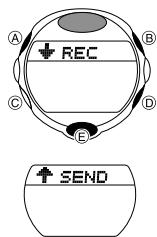
Exchanging User Information

In the case of user information, the two watches exchange their information with each other, just like two people exchanging names, e-mail addresses, and phone numbers. Received user information is ultimately stored in the Data Bank Mode.

- The user information that your watch sends to another watch is the data you have input in the User Information Mode. Before sending user information, use the User Information Mode to check it to make sure it is correct.

To exchange user information

- Decide with the owner of the other watch who will be the sender and who will be the receiver.
 - It makes no real difference which watch sends user information first. The following operation causes both the sender and the receiver to get the information of the other watch.
- On both watches, press (C) to enter the Timekeeping Mode.
 - What you do next depends on whether you are the sender or receiver. The sender should perform steps 6 through 8, while the receiver should perform steps 3 through 5.



- On the receiver watch, hold down (B) for about two seconds.
- When the watch beeps, release (B). This causes the REC (receive) indicator to appear on the display.
- Point the face of the receiver towards the sender, and perform steps 6 through 8 on the sender.
- On the sender watch, hold down (E) for about two seconds.
- When the watch beeps, release (E). This causes the SEND indicator to appear on the display.
- Point the face of the sender at the face of the receiver, so they are face-to-face.
 - User information data exchange starts at this time.

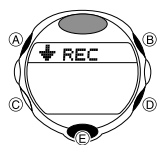
- Data exchange can take up to 11 seconds. During that time, keep the IR ports pointed at each other and avoid moving the watches.
- Both watches beep to indicate when data exchange is complete.
 - After data exchange is complete, the watches beep and the message □! appears on the displays of both watches for about five seconds. Next, the watches enter the Data Bank Mode, each showing the data they just received.
 - If data exchange was not successful for some reason, the watches beep and display the message E.F.F.□! for about five seconds. If this happens, perform the above procedure again from step 1.

Communicating with Another Watch

Use the following procedures to exchange Data Bank Mode data and Mail Mode messages with another watch. In this configuration, one watch is the sender and the other watch is the receiver.

- When a watch receives a mail message, the message text is stored in page P-4 of the Mail Mode.

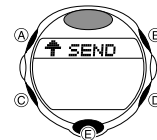
To receive data from another watch (receiver operation)



- Press (C) to enter the Timekeeping Mode.
- Hold down (B) for about two seconds.
- When the watch beeps, release (B). This causes the REC (receive) indicator to appear on the display.
- Point the face of the receiver towards the sender, and have your partner perform the sender operation.
 - Data communication starts at this time.

- Data exchange can take up to six seconds. During that time, keep the IR ports pointed at each other and avoid moving the watches.
- Both watches beep to indicate when data communication is complete.
 - After data communication is complete, the message □! appears on the receiver display for about five seconds. Next, the watch displays the data that it received.
 - If data communication is not successful for some reason, the watches beep and display the message E.F.F.□! for about five seconds. After that the receiver enters the Timekeeping Mode. If this happens, perform the above procedure again from step 2.

To send data to another watch (sender operation)



- Enter the mode (Data Bank Mode or Mail Mode) that contains the data you want to send, and display the data.
- Hold down (E) for about two seconds.
- When the watch beeps, release (E). This causes the SEND indicator to appear on the display.
 - At this point, your communication partner (the receiver) should also be setting up to receive.
- Point the sender's IR port at the receiver's IR port, so the watches are face-to-face. Data communication should start automatically.
 - Data communication can take up to six seconds to complete. Keep the watches still until they both beep.

- After data communication is complete, the message □! appears on the sender display for about five seconds. Next, the watch displays the data that it sent.
- If data communication is not successful for some reason, the watches beep and the message E.F.F.□! appears for about five seconds. After that the sender display shows the data you selected to send in step 1, above. If this happens, perform the above procedure again from step 2.

Troubleshooting

Problem	Probable Cause	What you should do
Even though I hold down (E) to send or (B) to receive, the applicable SEND or REC indicator does not appear on the watch's display.	<ul style="list-style-type: none"> You did not release the button. A setting screen (digits or cursor flashing) is on the display. The watch is not in the correct mode. Battery power is low. 	<ul style="list-style-type: none"> After the watch beeps, release the button. Press (A) to exit the setting screen. Enter the Timekeeping Mode to exchange user information data with another watch. To send Data Bank data or a mail message, enter the applicable mode and then perform the send operation. To receive Data Bank data or a mail message, enter the Timekeeping Mode. See "Battery".
The ERROR! message keeps appearing when I try to perform data communication.	<ul style="list-style-type: none"> Both watches are set up as senders (SEND on the display) or receivers (REC on the display). The two IR ports are too far from each other. The two IR ports are not pointing straight at each other. After SEND or REC appeared on the display of the watch you took longer than about 10 seconds to align the two IR ports. The watches were moved during data communication. 	<ul style="list-style-type: none"> Make sure SEND is on the display of the sender, and REC is on the display of the receiver. Make sure the two IR ports are no more than 10cm (3.5 inches) from each other. Communication becomes more stable the closer the IR ports are to each other. Make the two IR ports are pointed straight at each other. Align the IR ports of the two watches within 10 seconds after SEND appears on one watch and REC appears on the other watch. Keep the IR ports of the two watches pointed straight at each other until the watches beep. Remove the watches from your wrists and place them on a table or other surface to keep them still during data communication. See the illustration for information about how the watches should be oriented during data communication. Be sure to perform each step in order, from ① to ④.

Note

- This watch does not support IR data communication with any other device besides another Module No. 2496 watch.
- Do not allow anything to block the path between the two IR ports.
- IR communication may not be possible outdoors or in other areas exposed to bright light. Best results are obtained under indoor lighting of 500 lux.
- A separate, nearby IR data transfer operation can interfere with the IR data communication operation of this watch.
- All watch button operations are disabled while **SEND** or **REC** is on the display.
- During a user information data exchange operation, if **ERROR!** appears on the watch sending data first (the sender) and the **CHK!** appears on the other watch (the receiver), no data is exchanged between the two watches. Perform the user information data exchange operation again. In the above case, the receiver switches to the Data Bank Mode after displaying **CHK!**, so you need to change it to the Timekeeping Mode before trying to perform a new user information data exchange operation.
- When the receiver's Data Bank memory is full, the **ERROR!** message will appear if you try to receive more Data Bank or User Information data. After that, the receiver switches to the Data Bank Mode, which shows the message **Full**.

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 Display



Auto Display continually changes the contents of the digital display.

To turn off Auto Display

Press any button to turn off Auto Display.

To turn on Auto Display

Hold down **C** for about three seconds until the watch beeps.

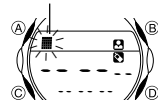
- Note that Auto Display cannot be performed while a setting screen is on the display.

Inputting Text

The following describes how to input text in the Data Bank, Mail, and User Information Modes.

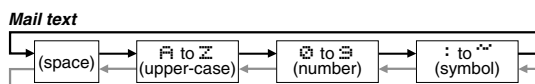
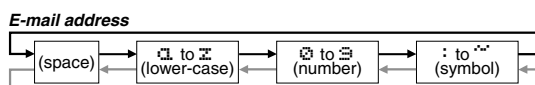
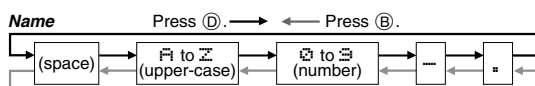
To input characters

Cursor



1. When the cursor is on the display, use **D** and **B** to cycle through the available characters, in the sequence shown below.

- The characters you can input depend on whether you are inputting a name, an e-mail address, or mail text.



2. When the character you want is at the cursor position, press **C** to move the cursor to the right.
 3. Repeat steps 1 and 2 to input the rest of the characters you want.
- See the "Character List" for information about the characters you can input.

Auto Return Features

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

Data and Setting Scrolling

The **B** and **D** buttons are used in various modes and setting screens to scroll through data on the display. In most cases, holding down these buttons during a scroll operation scrolls through the data at high speed.

Initial Screens

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

Timekeeping

- Resetting the seconds to **00** while the current count is in the range of 30 to 59 causes the minutes to be increased by 1. In the range of 00 to 29, the seconds are reset to **00** without changing the minutes.
- With the 12-hour format, the **P** (PM) indicator appears on the display for times in the range of noon to 11:59 p.m. and the **A** (AM) indicator appears for times in the range of midnight to 11:59 a.m.
- With the 24-hour format, times are displayed in the range of 0:00 to 23:59, without any indicator.
- The year can be set in the range of 2000 to 2099.
- The watch's built-in full automatic calendar automatically makes allowances for different month lengths and leap years. Once you set the date, there should be no reason to change it except after you have the watch's battery replaced.

World Time

- The current time in all World Time Mode cities is calculated in accordance with the Greenwich Mean Time (GMT) differential for each city, based on the current Home City time setting in the Timekeeping Mode.
- The seconds count of the World Time is synchronized with the seconds count of the Timekeeping Mode.
- The GMT differential is the time difference between the time zone where the city is located and Greenwich Mean Time.
- GMT differential is calculated by this watch based on Universal Time Coordinated (UTC) data.

Backlight Precautions

The backlight uses an EL (electro-luminescent) panel that causes the entire display to glow for easy reading in the dark. In any mode, press **A** to illuminate the display for about two seconds.

- Holding down **A** to display the setting screen or to switch between Daylight Saving Time and Standard time in the World Time Mode also causes the backlight to light.
- The electro-luminescent panel that provides illumination loses power after very long use.
- The illumination provided by the backlight may be hard to see when viewed under direct sunlight.
- The watch may emit an audible sound whenever the display is illuminated. This is due to vibration of the EL panel used for illumination, and does not indicate malfunction.
- The backlight automatically turns off whenever an alarm sounds.
- Frequent use of the backlight shortens the battery life.

Battery



The indicator flashes on the display whenever battery power is below a certain level. Low battery power can cause the following conditions to occur.

- Dim, difficult-to-read display characters
- Failure of the backlight and alarm operations
- Inability of Data Bank and User Information Mode operations
- Inability to perform IR data communication

If battery power goes low while you are inputting Data Bank data or user information, the data you are inputting may not be saved in memory. Normal watch operation will return after the indicator disappears. If it does not disappear, have the battery replaced.

Always leave battery replacement up to the dealer where you bought the watch or to an authorized CASIO distributor. Be sure to show the "Attention dealer or CASIO distributor" information to the person replacing the battery.

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LIMIT Indicator

Certain functions consume large amounts of battery power, and using them too much can cause a sudden momentary drop in battery power. The watch monitors how much you use these high consumption functions, and displays the **LIMIT** indicator whenever it determines you are using them too much.

- Backlight and alarm operation, Data Bank and User Information Mode operations, and IR data communication are disabled while the **LIMIT** indicator is on the display.
- The following are the trigger values for functions that are monitored for battery usage.
Approximately 90 consecutive backlight, IR data communication, and alarm operations
Approximately 900 button input tone operations
- The **LIMIT** indicator disappears from the display after the battery recovers its normal power level after it has a chance to "rest."

Attention dealer or CASIO distributor

1. Open and remove the back cover.
 - Opening the back cover causes the message **OPEN** to appear on the display.
 - If **CLOSE** appears on the display when you open the back cover, replace the back cover. Wait for a few minutes and try again.
2. Remove the battery holder.
3. Remove the old battery and load a new one.
4. Replace the battery holder.
5. Touch the AC contact and the battery [+] side with metallic tweezers.
 - The AC (all clear) operation **DOES NOT** delete Data Bank Mode data and user information stored in memory.
6. Close the back cover.
7. Press any button besides (A). This causes the watch to start an internal data check, which is indicated by **CHECK** appearing on the display. The Timekeeping Mode display appears after the internal check is complete.
 - The internal check takes up to 10 seconds. All watch buttons are disabled during that time.

City Code Table

City Code	City	GMT Differential	City Code	City	GMT Differential
PPG	PAGO PAGO	-11	JRS	JERUSALEM	+02
HNL	HONOLULU	-10	JED	JEDDAH	+03
ANC	ANCHORAGE	-09	THR	TEHRAN	+3.5
YVR	VANCOUVER	-08	DXB	DUBAI	+04
SFO	SAN FRANCISCO	-08	KBL	KABUL	+4.5
LAX	LOS ANGELES	-08	KHI	KARACHI	+05
DEN	DENVER	-07	MLE	MALE	+05
MEX	MEXICO CITY	-06	DEL	DELHI	+5.5
CHI	CHICAGO	-06	DAC	DHAKA	+06
MIA	MIAMI	-05	RGN	YANGON	+6.5
NYC	NEW YORK	-05	BKK	BANGKOK	+07
CCS	CARACAS	-04	SIN	SINGAPORE	+08
RIO	RIO DE JANEIRO	-03	HKG	HONG KONG	+08
LON	LONDON	+00	SEL	SEOUL	+09
PAR	PARIS	+01	TYO	TOKYO	+09
MIL	MILAN	+01	ADL	ADELAIDE	+9.5
ROM	ROME	+01	GUM	GUAM	+10
BER	BERLIN	+01	SYD	SYDNEY	+10
IST	ISTANBUL	+02	NOU	NOUMEA	+11
CAI	CAIRO	+02	WLG	WELLINGTON	+12

* Based on data as of December 2001.

Sort Table

1	(space)	7	F	13	L	19	R	25	X	31	B	37	9
2	A	8	G	14	M	20	S	26	Y	32	4	38	-
3	E	9	H	15	N	21	T	27	Z	33	5	39	.
4	C	10	I	16	O	22	U	28	0	34	6		
5	D	11	J	17	P	23	V	29	1	35	7		
6	E	12	K	18	Q	24	W	30	2	36	8		

Character List

Name	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	0	1	2	3	4	5	6	7	8	9	.	-	^	~
A	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	0	1	2	3	4	5	6	7	8	9	.	-	^	~

E-mail Address

a	q	k	u	4	>	()	[]	
b	l	v	5	?)	^	~			
c	m	w	6	@	*	*	-			
d	n	x	7	!	!	+	+	'	'	
e	o	y	8	"	"	,	,	{	}	
f	p	z	9	#	#	-	-			
g	q	0	:	:	\$	\$.	.)	}
h	r	1	;	;	%	%	/	/	~	~
i	s	2	<	<	&	&	[[
j	t	3	=	=	'	'	¥	¥		

Mail Text

A	K	U	4	>	()	[]		
B	L	V	5	?)	^	~			
C	M	W	6	@	*	*	-			
D	N	X	7	!	!	+	+	'	'	
E	O	Y	8	"	"	,	,	{	}	
F	P	Z	9	#	#	-	-			
G	Q	0	:	:	\$	\$.	.)	}
H	R	1	;	;	%	%	/	/	~	~
I	S	2	<	<	&	&	[[
J	T	3	=	=	'	'	¥	¥		