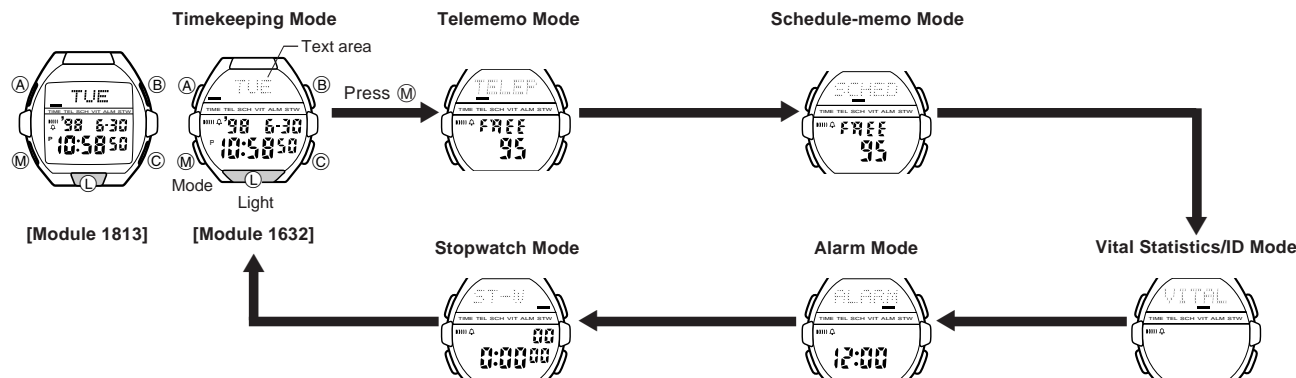
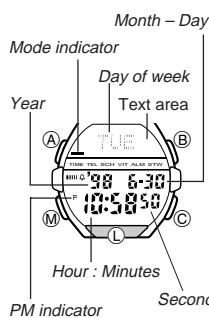


GENERAL GUIDE

- If the contents of the upper part of the display seem to be continually changing, see "AUTO DISPLAY FUNCTION" for information on how to stop it.
- The operational procedures for modules 1632 and 1813 are identical. All of the illustrations in this manual show module 1632.
- Press (M) to change from mode to mode.
- Press (L) in any mode to illuminate the display for about one second.
- When the text in the text area of the display contains more than five characters, it automatically scrolls. Text scrolling in the text area stops moving whenever an alarm is sounding.
- In any mode other than Stopwatch Mode, the watch automatically returns to the Timekeeping Mode if you do not perform any button operation for two or three minutes.



TIMEKEEPING MODE



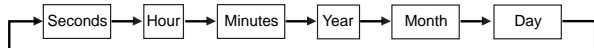
In addition to normal timekeeping, the Timekeeping Mode is also used to set the current time and date. You can also adjust the seconds count to "00" at any time by pressing two buttons.

To adjust the seconds count to "00"

In the Timekeeping Mode, press (B) and (C) simultaneously to adjust the seconds count to 00.
 • If you press (B) and (C) at the same time while the seconds count is in the range of 30 to 59, the seconds are reset to 00 and 1 is added to the minutes. If the seconds count is in the range of 00 to 29, the minutes count is unchanged.

To set the time and date

1. Hold down (A) while in the Timekeeping Mode until the seconds digits start to flash on the display. The seconds flash because they are selected.
2. While the seconds digits are selected (flashing), press (C) to reset the seconds to 00.
3. Press (M) to change the selection in the following sequence.



3. While any other digits (besides seconds) are selected (flashing), press (C) to increase the number or (B) to decrease it. Holding down either button changes the current selection at high speed.
- While any digits are selected, press (L) to switch between the 12-hour and 24-hour formats.
- When the 12-hour format is selected, the 12H indicator appears in the text area of the display. With the 12-hour format, the P indicator appears on the display to indicate "p.m." times. There is no indicator for "a.m." times. Selecting the 24-hour format causes the 24H indicator to appear in the text area, and the 24 indicator to appear on the display.
4. After you set the time and date, press (A) to return to the Timekeeping Mode.
- The day of the week is automatically set in accordance with the date.
- The date can be set within the range of January 1, 1995 to December 31, 2039.
- If you do not operate any button for a few minutes while a selection is flashing, the flashing stops and the watch goes back to the Timekeeping Mode automatically.

BACKLIGHT



This watch features an electroluminescent (EL) backlight that helps you easily read the face, even in total darkness. Its Auto Light Switch function automatically lights the watch face whenever you turn your wrist towards your face.

Notes

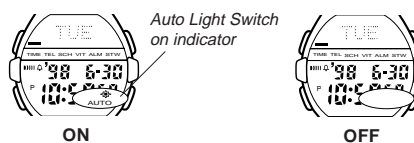
- The backlight of the watch employs an electroluminescent (EL) light, which loses illuminating power after very long use.
- Frequent use of the backlight shortens the battery life.
- The illumination provided by the backlight may be hard to see when viewed under direct sunlight.
- The watch will emit an audible sound whenever the display is illuminated. This is caused by a transformer that vibrates when the EL panel lights up. It does not indicate malfunction of the watch.
- The backlight automatically turns off whenever an alarm sounds.

To manually turn on the backlight

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

To turn the Auto Light Switch function on and off

In the Timekeeping Mode, hold down (C) for one or two seconds to turn the Auto Light Switch function on and off.



- The Auto Light Switch on indicator is shown on the display in all modes while the Auto Light Switch function is on.
- In order to protect against running down the battery, the Auto Light Switch function is automatically turned off approximately two hours after you turn it on. Repeat the above procedure to turn the Auto Light Switch function back on if you want.
- Pressing (L) in any mode illuminates the display for about one second, regardless of the Auto Light Switch function on/off setting.

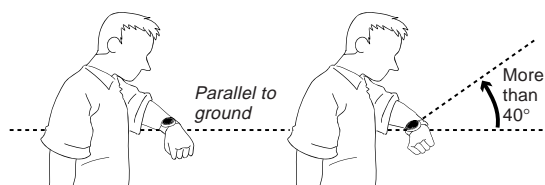
About the Auto Light Switch function

While the Auto Light Switch function is turned on, the backlight automatically lights for about one second in any mode whenever you position your wrist as described below.

Important!

Avoid wearing the watch on the inside of your wrist. Doing so causes the Auto Light Switch to operate when it is not needed, which shortens battery life.

Moving the watch to a position that is parallel to the ground and then tilting it towards you more than 40 degrees causes the backlight to illuminate.

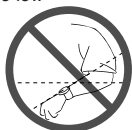


- The backlight may not illuminate if the face of the watch is more than 15 degrees off parallel as shown below. Make sure that the back of your hand is parallel to the ground.

Parallel to ground

More than 15 degrees too high

More than 15 degrees too low

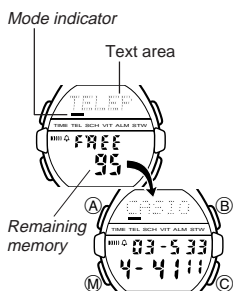


- Static electricity or magnetic force can interfere with proper operation of the Auto Light Switch function. If the backlight does not illuminate, try moving the watch back to the starting position (parallel with the ground) and then tilt it back toward you again. If this does not work, drop your arm all the way down so it hangs at your side, and then bring it back up again.
- Under certain conditions the backlight may not light until about one second or less after turn the face of the watch towards you. This does not necessarily indicate malfunction of the backlight.

Warning!

- Never try to read your watch when mountain climbing or hiking in areas that are dark or in areas with poor footing. Doing so is dangerous and can result in serious personal injury.
- Never try to read your watch when running on a roadside or in any other location where there might be vehicular or pedestrian traffic. Doing so is dangerous and can result in serious personal injury.
- Never try to read your watch when riding on a bicycle or when operating a motorcycle or any other motor vehicle. Doing so is dangerous and can result in a traffic accident and serious personal injury.
- When you are wearing the watch, make sure that its Auto Light Switch function is turned off before riding on a bicycle or operating a motorcycle or any other motor vehicle. Sudden and unintended operation of the Auto Light Switch function can create a distraction, which can result in a traffic accident and serious personal injury.

TELEMEMO MODE



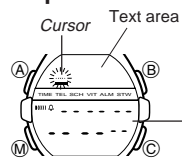
The Telememo Mode lets you store up to 100* pairs of name and telephone number data. Stored data is sorted automatically into alphabetic sequence based on the text area text.

* The Telememo Mode shares memory with the Schedule-memo Mode. This means that the maximum number of Telememo Mode entries you can store is reduced by one each time you store a Schedule-memo Mode data item.

- Whenever you enter the Telememo Mode, the text TELEPHONE scrolls across the text area of the display once. Next, Telememo data appears on the display. You can interrupt scrolling of the initial text and immediately display Telememo data at any time by pressing (A), (B), or (C).

- See the "CHARACTER LIST" at the back of this manual for details on how the watch sorts data.
- The data item that appears on the display when you enter the Telememo Mode is the same one that was displayed the last time you exited the Telememo Mode.

To input new Telememo data



[New Data Display]
Number area

- In the Telememo Mode, press (B) and (C) at the same time to display the new data display.
 - If there is no Telememo data stored in memory yet, the new data display appears as soon as you enter the Telememo Mode.
 - If the message FULL appears in the text area of the display, it means that memory is full. To store more data, you will first have to delete some of the data stored in memory.

- Hold down (A) until the flashing cursor appears in the text area of the display.
- Input a name in the text area and a telephone number in the number area.
 - You can input up to eight characters in the text area, and 12 digits in the number area.
 - You can input only hyphens, numbers and spaces in the number area (you cannot input text).

Use (B) and (C) to input characters, and (M) to move the cursor around the display. For details, see "INPUTTING TEXT".

- After inputting your data, press (A) to store it and return to the Telememo Mode.
 - When you press (A) to store data, the message SORT appears on the display for a few seconds. After the sort operation is complete, the normal Telememo Mode display (without the cursor) appears.

To recall Telememo data

- In the Telememo Mode, press (C) to scroll forward through stored data items or (B) to scroll in reverse.
- Holding down either button scrolls through the data at high speed.
 - The new data display appears whenever scrolling reaches the beginning or the end of data currently stored in memory.

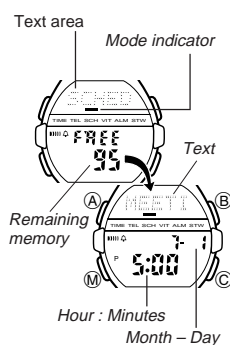
To edit Telememo data items

- In the Telememo Mode, scroll through the data items and display the one you want to edit.
- Hold down (A) until the flashing cursor appears in the text area of the display.
- Use (M) to move the cursor to the character you want to change.
- Change the character.
 - See "INPUTTING TEXT" for details.
- After making the changes that you want, press (A) to store them and return to the Telememo Mode.

To delete Telememo data

- In the Telememo Mode, scroll through the data items and display the one you want to delete.
- Hold down (A) until the flashing cursor appears in the text area of the display.
- Press (B) and (C) at the same time to delete the Telememo data item.
 - At this time the cursor appears in the text area, ready for input.
- Press (A) to return to the Telememo Mode.

SCHEDULE-MEMO MODE



Schedule-memo Mode lets you store up to 100* Schedule-memo data items (appointment date and time, and text). Whenever a time you set is reached, an alarm sounds and the text you input for the data scrolls across the text area of the display.

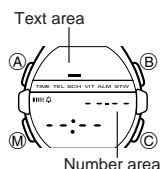
* The Schedule-memo Mode shares memory with the Telememo Mode. This means that the maximum number of Schedule-memo Mode entries you can store is reduced by one each time you store a Telememo Mode data item.

- Whenever you enter the Schedule-memo Mode, the text SCHEDULE scrolls across the text area of the display once. Next, Schedule-memo data appears on the display. You can interrupt scrolling of the initial text and immediately display Schedule-memo data at any time by pressing (A), (B), or (C).

Notes

- A Schedule-memo Alarm sounds whenever a time you set is reached. It continues for about 20 seconds or until you interrupt it by pressing any button.
- The Schedule-memo text scrolls across the text area of the display only if the watch is in the Timekeeping Mode when the Schedule-memo time is reached. The text continues to scroll for about 25 seconds, or until you stop it by pressing any button after you press a button to interrupt the alarm.
- Schedule-memo Mode data items are automatically sorted into chronological order.
- Entering the Schedule-memo Mode causes data for the next scheduled appointment to appear on the display.

To input new Schedule-memo data



[New Data Display]

- In the Schedule-memo Mode, press (B) or (C) until the new data display appears.
 - If there is no Schedule-memo data stored in memory yet, the new data display appears as soon as you enter the Schedule-memo Mode.
 - If the message FULL appears in the text area of the display, it means that memory is full. To store more data, you will first have to delete some of the data stored in memory.

- Hold down (A) until the month setting starts to flash in the number area of the display. The month setting flashes because it is *selected*.
- The initial Schedule-memo time setting is always midnight, which is indicated as 12:00 with the 12-hour timekeeping format and 0:00 in the 24-hour format. You can select the timekeeping format in the Timekeeping Mode.
- Press (M) to change the flashing selection in the following sequence.



* 11 spaces are provided for the text. This means that if you input only five characters for the text, so you have to press (M) 6 times to reach the month setting.

- While the month, day, hour or minutes is flashing, press (C) to increase the selected setting or (B) to decrease it. Holding down either button changes the current selection at high speed.

Important!

- Correct storage of Schedule-memo data is impossible if you do not input a month and date.
- The date you can specify must be within one year from the current date. This means that if the current date (in the Timekeeping Mode) is June 30, 1998, you will be able to specify any date up to June 29, 1999 for a Schedule-memo date.
- When setting the time using the 12-hour format, take care to set the time correctly as morning (no indicator) or afternoon (P).
- Input text in the text area of the display.
- You can input up to 11 characters for the text.

Use (B) and (C) to input characters, and (M) to move the cursor around the display. For details, see "INPUTTING TEXT".

- After inputting your data, press (A) to store it and return to the Schedule-memo Mode.
- Schedule-memo data remains in memory until you delete it. Be sure to delete old Schedule-memo data whenever you no longer need it. See "To delete Schedule-memo data".

To recall Schedule-memo data

- In the Schedule-memo Mode, press (C) to scroll forward through stored data items or (B) to scroll in reverse.
- Holding down either button scrolls through the data at high speed.
 - The new data display appears whenever scrolling reaches the beginning or the end of data currently stored in memory.

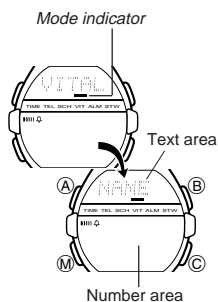
To edit Schedule-memo data items

- In the Schedule-memo Mode, scroll through the data items and display the one you want to edit.
- Hold down (A) until the month setting starts to flash in the number area.
- Use (M) to move the flashing to the part of the Schedule-memo data item you want to change.
- Use (B) and (C) to change the data.
- See "To input new Schedule-memo data" for details on inputting data.
- After making the changes that you want, press (A) to store them and return to the Schedule-memo Mode.

To delete Schedule-memo data

- In the Schedule-memo Mode, scroll through the data items and display the one you want to delete.
- Hold down (A) until the month setting starts to flash in the number area.
- Press (B) and (C) at the same time to delete the Schedule-memo data item.
- The message CLEAR appears for a short while. Next, the month setting starts to flash on the display, ready for input of new data.
- Press (A) to return to the Schedule-memo Mode.

VITAL STATISTICS/ID MODE



The Vital Statistics/ID Mode provides a handy place to store data about your vital statistics (name, blood type, date of birth) and personal identification (ID) data (credit card number, license number, passport number, and two undefined items).

- Whenever you enter the Vital Statistics/ID Mode, the text VITAL STATS./ID scrolls across the text area of the display once. Next, the name screen appears on the display. You can interrupt scrolling of the initial text and immediately display the name screen at any time by pressing (A), (B), or (C).
- The name screen always appears first whenever you enter the Vital Statistics/ID Mode.

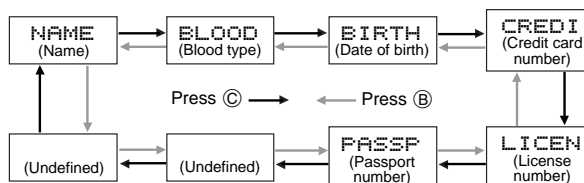
Important!

- Once you input your vital statistics, take care that the watch is not borrowed by another person. Otherwise, emergency medical personnel may assume that the data in the Vital Statistics/ID Mode applies to the person who is currently wearing the watch.

- Note that storing important personal identification data in the watch's memory runs the risk of it being misused should you lend the watch to someone or should the watch become lost or stolen. Because of this, the manufacturer strongly recommends that you input such important information in coded form that cannot be deciphered by others.
- Note that CASIO COMPUTER CO., LTD. shall not be held liable to you or any third party for any losses or damages suffered through the misuse of data stored in the memory of this watch.

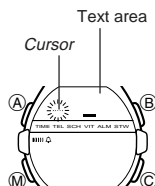
To recall Vital Statistics/ID data

In the Vital Statistics/ID Mode, press (B) or (C) to change the data on the display in the following sequence.



- The titles of the each data item appear in the text area of the display. In the case of the undefined items, you can specify titles that appear in the text area whenever you later display that item.

To input your name

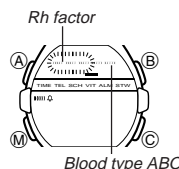


- In the Vital Statistics/ID Mode, display the NAME screen.
- Hold down (A) until the flashing cursor appears in the text area of the display.
- Input your name into the text area.
- You can input up to 16 characters for your name.

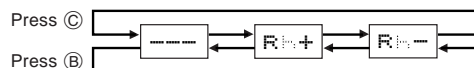
Use (B) and (C) to input characters, and (M) to move the cursor around the display. For details, see "INPUTTING TEXT".

- You can clear the characters currently input for the name by pressing (B) and (C) at the same time.
- After inputting your data, press (A) to store it and return to the normal NAME screen (without cursor).

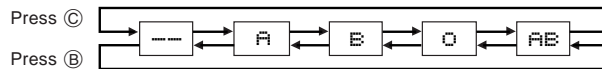
To input your blood type



- In the Vital Statistics/ID Mode, display the BLOOD screen.
- Hold down (A) until the Rh factor setting flash in the text area of the display.
- Use (B) and (C) to scroll through the available Rh factor settings in the following sequence.

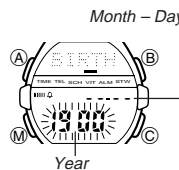


- Press (M) to advance to the blood type.
- Use (B) and (C) to scroll through the available blood type settings in the following sequence.

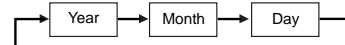


- After inputting your data, press (A) to store it and return to the normal BLOOD screen (no flashing characters).
- Select --- if you do not want to specify an Rh factor and -- if you do not want to select a blood type in the above sequence. When neither an Rh factor nor blood type is specified, the blood data screen shows ----- on the watch's display.

To input the date of your birth



- In the Vital Statistics/ID Mode, display the BIRTH screen.
- Hold down (A) until the year digits start to flash on the display. The year digits flash because they are *selected*.
- Press (M) to change the selection in the following sequence.

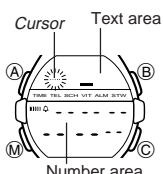


- Press (C) to increase the selected digits and (B) to decrease them. Holding down either button changes the selected digits at high speed.
- The year can be set in the range of 1900 to 2039.
- After inputting your data, press (A) to store it and return to the normal BIRTH screen (no flashing digits).

Personal identification data

- This watch has three built-in titles for personal identification data: CREDIT (for a credit card number), LICENCE (for a license number), and PASSPORT (for a passport number). You can use these built-in titles as they are, or append eight more characters to a built-in title to indicate a credit card company name, for example.
- In addition to the three built-in titles, you can also input your own titles up to eight characters long for the two undefined items.
- You can input number up to 12 digits long for each personal identification data item.

To input personal identification data



- In the Vital Statistics/ID Mode, display the personal identification data screen where you want to input data.
 - See "To recall Vital Statistics/ID data" for details on how to switch between data screens.
- Hold down (A) until the flashing cursor appears in the text area of the display.

- Input a text in the text area if you want.
- In the case of a built-in title, you can append up to eight characters to the preset title. For the undefined data items, you can input titles up to 8 characters long.
- To use a built-in title as it is without appending text, press (M) eight times to move the cursor to the number area.

Use (B) and (C) to input characters, and (M) to move the cursor around the display. For details, see "INPUTTING TEXT".

- After you input your text, use (M) move the cursor to the number area and input number data.
 - You can input up to 12 digits in the number area.
 - You can input only hyphens, numbers and spaces in the number area (you cannot input text).
- After inputting your data, press (A) to store it and return to the screen you started out from in step 1 of this procedure.

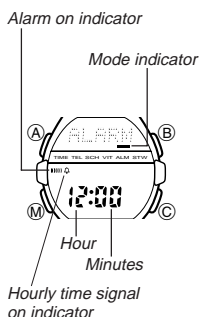
To edit Vital Statistics/ID Mode data

- In the Vital Statistics/ID Mode, scroll through the data items and display the one you want to edit.
- Hold down (A) until the data on the display starts to flash.
- Use (M) to move the flashing to the part of the data item you want to change.
- Use (B) and (C) to change the displayed data.
 - For details on inputting data, see the sections of this manual that describes input for each screen.
- After making the changes that you want, press (A) to store them and return to the screen you started out from in step 1 of this procedure.

To delete Vital Statistics/ID Mode data items

- In the Vital Statistics/ID Mode, scroll through the data items and display the one you want to delete.
- Hold down (A) until the data on the display starts to flash.
- Press (B) and (C) at the same time to delete the data item.
- Press (A) to return to the screen you started out from in step 1 of this procedure.

ALARM MODE

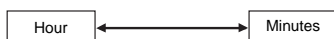


When the Daily Alarm is switched on, the alarm sounds for 20 seconds at the preset time each day. Press any button to stop the alarm after it starts to sound.

When the Hourly Time Signal is switched on, the watch beeps every hour on the hour.

To set the alarm time

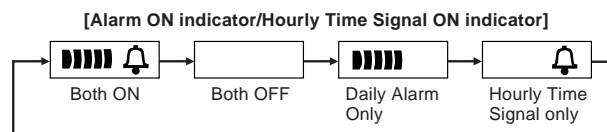
- Hold down (A) while in the Alarm Mode until the hour digits start to flash on the display. The hour digits flash because they are selected.
 - This operation will switch the Daily Alarm on automatically.
- Press (M) to change the selection in the following sequence.



- Press (C) to increase the selected digits or (B) to decrease them. Holding down either button changes the selection at high speed.
- The format (12-hour and 24-hour) of the alarm time matches the format you select for normal timekeeping.
- When setting the alarm time using the 12-hour format, take care to set the time correctly as morning (no indicator) or afternoon (P).
- After you set the alarm time, press (A) to return to the Alarm Mode.

To switch the Daily Alarm and Hourly Time Signal on and off

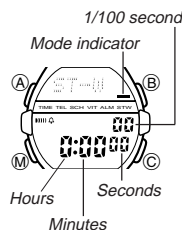
Press (C) while in the Alarm Mode to change the status of the Daily Alarm and Hourly Time Signal in the following sequence.



To test the alarm

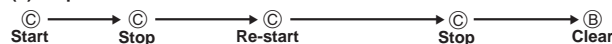
Hold down (B) while in the Alarm Mode to sound the alarm.

STOPWATCH MODE



The Stopwatch Mode lets you measure elapsed time, split times, and two finishes. The range of the stopwatch is 23 hours, 59 minutes, 59.99 seconds.

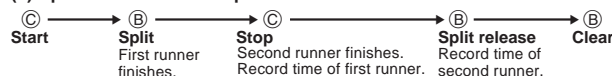
(a) Elapsed time measurement



(b) Split time measurement



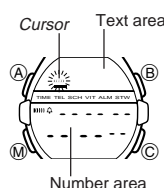
(c) Split time and 1st-2nd place times



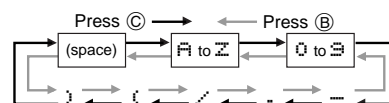
INPUTTING TEXT

The following describes how to input text in the Telememo Mode, Schedule-memo Mode, and Vital Statistics/ID Mode.

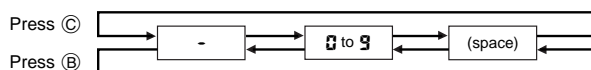
How to input characters



- When the cursor is blinking in the text area of the display, use (B) and (C) to scroll through the available letters, numbers and symbols, in the following sequence.



- Holding down either button scrolls through at high speed.
- When the character you want at the cursor position is shown, press (M) to move the cursor to the right.
- Repeat steps 1 and 2 until your text is complete.
- You can input only hyphens, numbers and spaces in the number area. Each press of (B) or (C) changes the input at the current cursor location in the following sequence.



- If you do not perform any button operation for about two or three minutes while the cursor is on the display, the watch automatically returns to the normal data display (the cursor disappears).

AUTO DISPLAY FUNCTION



The Auto Display function continually changes the contents of the text area of the display. Note that you cannot use any of the watch's other functions (except for turning on the backlight) while the Auto Display function is operating.

To turn the Auto Display off

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

To turn Auto Display on

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

Note

The Auto Display function cannot be performed while you are making settings (i.e. while digits or other settings are flashing on the display).

CHARACTER LIST

1	(space)	11	J	21	T	31	3	41	(
2	A	12	K	22	U	32	4	42)
3	B	13	L	23	V	33	5		
4	C	14	M	24	W	34	6		
5	D	15	N	25	X	35	7		
6	E	16	O	26	Y	36	8		
7	F	17	P	27	Z	37	9		
8	G	18	Q	28	0	38	-		
9	H	19	R	29	1	39	.		
10	I	20	S	30	2	40	/		

ABOUT THE LOW BATTERY WARNING



The message **BATT** flashes on the display whenever the battery power is low. Have the battery of the watch replaced as soon as possible after this message appears. Using the watch while the battery is low can result in abnormal operation.

Important!

- In order to protect data stored in memory, you will not be able to recall existing data or input new data while the **BATT** message is flashing on the display. Also, the alarm, hourly time signal, backlight, and other functions do not operate.
- Low battery power can cause time keeping to fall behind, and it can cause the display to become difficult to read, or to clear completely.

ALWAYS LEAVE BATTERY REPLACEMENT UP TO THE DEALER WHERE YOU BOUGHT THE WATCH OR TO AN AUTHORIZED CASIO DISTRIBUTOR. BE SURE TO SHOW THE FOLLOWING INFORMATION TO THE PERSON REPLACING THE BATTERY.

Attention dealer or CASIO distributor

Be sure to use the following procedure when replacing the battery.

1. Open and remove the back cover.
- 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.
6. Close the back cover.
- The message **BATT** appears on the display about 15 seconds after you perform the AC (all clear) operation in step 5 of the above procedure, indicating that the watch is performing an internal self-check for data errors.
- The **BATT** indicator remains on the display for a few minutes while the watch performs an internal check of data in memory. Though you can change the time setting of the watch while the **BATT** indicator is on the display, other operations are disabled.

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