

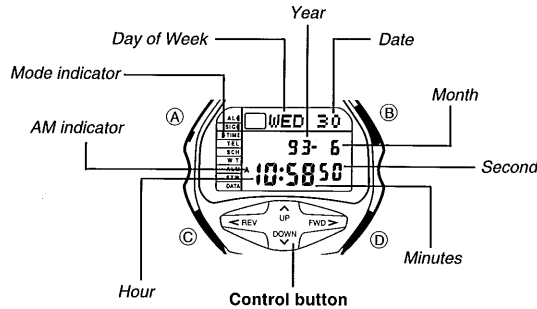
OPERATION CHART: MODULE QW-1010

GENERAL GUIDE

About the control button

A single control button is used to perform all up, down, forward, and reverse operations. Simply press the part of the control button that is marked with the operation you want to perform. In this manual, such operations are described as "press UP", "press DOWN", "press REV", and "press FWD".

Timekeeping Mode Display



- The Mode Indicator shows the currently selected mode.

Mode	Mode Indicator	Mode	Mode Indicator
Timekeeping	TIME	Alarm	ALM
Telememo	TEL	Stopwatch	STW
Schedule Memo	SCH	Personal Data	DATA
World Time	WT		

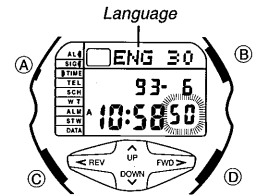
- To change the mode, press the UP or DOWN control button until the mode indicator shows the mode you want.
- Pressing (C) returns directly to the Timekeeping Mode from any other mode.
- Note that the message "◇ BATT" appearing in place of the day of the week and date indicates that battery power is low.

TIMEKEEPING MODE

Use the Timekeeping Mode to set the current time and date. You also control the input tone in the Timekeeping Mode, and the language to be used (English, Spanish, German, French, Italian, Portuguese) for the day of the week.

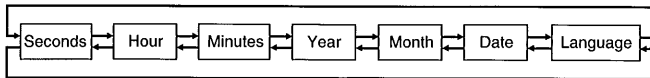
- In the Timekeeping Mode, hold down (B) to illuminate the display.
- In the Timekeeping Mode, press (D) to switch between the 12-hour and 24-hour formats.

To set the time and date



- Press (A) while in the Timekeeping Mode. The seconds digits flash on the display because they are selected.
- Press (C) or (D) to change the selection in the following sequence.

Press (C).



Press (D).

- While the seconds digits are selected (flashing), press FWD to reset the seconds to "00". If you press FWD 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.
- While any other digits (besides seconds) are selected (flashing), press FWD to increase the number or REV to decrease it. Holding down either FWD or REV changes the current selection at high speed.
- The day of the week is automatically set in accordance with the date.

- While the language selection is selected (flashing), press FWD or REV to change the language setting in the following sequence.



- After you set the time and date, press (A) to return to the Timekeeping Mode.

- The date can be set within the range of January 1, 1990 to December 31, 2029. (Only the final two digits are displayed for years.)
- 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.
- The following table shows the indicators in each language for the day of week.

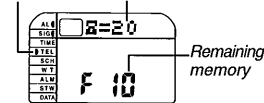
	English	Spanish	German	French	Italian	Portugal
Sunday	SUN	DOM	SON	DIM	DOM	DOM
Monday	MON	LUN	MON	LUN	LUN	SEG
Tuesday	TUE	MAR	DIE	MAR	MAR	TER
Wednesday	WED	MIE	MIT	MER	MER	QUA
Thursday	THU	JUE	DON	JEU	GIO	QUI
Friday	FRI	VIE	FRE	VEN	VEN	SEX
Saturday	SAT	SAB	SAM	SAM	SAB	SAB

To switch the input tone on and off

- Press (A) while in the Timekeeping Mode. The seconds digits flash on the display because they are selected.
- Press (B) to switch between on (indicated when pressing (B) produces a beep) and off (no beep).
- After you make the setting you want, press (A) to return to the Timekeeping Mode.

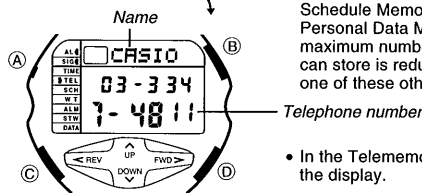
TELEMEMO MODE

Mode indicator Number of telememo items stored



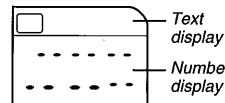
The Telememo Mode lets you store up to 50* pairs of name and telephone number data. Data is automatically sorted into alphabetic order based on the names. You can recall data by scrolling through the sorted list, or by inputting the initial character of the name you want to find.

* The Telememo Mode shares memory with the Schedule Memo Mode, World Time Mode, and Personal Data Mode. This means that the maximum number of Telememo Mode entries you can store is reduced each time you store data in one of these other modes.

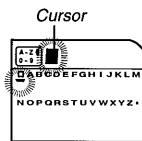


- In the Telememo Mode, hold down (B) to illuminate the display.

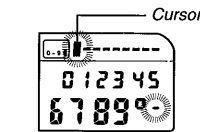
To input new Telememo data



[New Item Display]



[Text Input Display]



[Number Input Display]

- In the Telememo Mode, press FWD or REV until the New Item Display appears.
 - If there is no Telememo data stored in memory yet, the New Item Display appears as soon as you enter the Telememo Mode.
- Press (A) to start input. The display shows the message "NAME?", and then switches to the Text Input Display.
 - If previously stored data is shown on the display in the Telememo Mode, press (A) twice to switch to the Text Input Display.
- Input a name using the procedure described under "How to input individual characters".
 - The name can be up to 8 characters long.
- Use (C) or (D) to change to the Number Input Display.
 - To change to the Number Input Display, move the cursor in the Text Input Display to the first (left) position and press (D), or to the last (right) position and press (C). Note that you can use the same operation to switch from the Number Input Display back to the Text Input Display.

- Input a telephone number.

- You can use the same procedure described under "How to input individual characters", but note that you can input numbers only here.
- The telephone number can be up to 12 characters long.
- After inputting your data, press (A) to store it and advance to the next item.
- Input data for the next item or press (A) again to exit the data input operation.
- If the message "◇ FULL" appears on 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.

To scroll through Telememo data items

In the Telememo Mode, press FWD to scroll forward through stored data items or REV to scroll in reverse.

- Holding down FWD or REV scroll through the data at high speed.
- The data item that is displayed when you exit the Telememo Mode is still on the display the next time you enter the Telememo Mode.
- In addition to scroll searching, you can also use initial character search.
- The text display can show only 6 characters at a time, so longer messages scroll continuously from right to left.

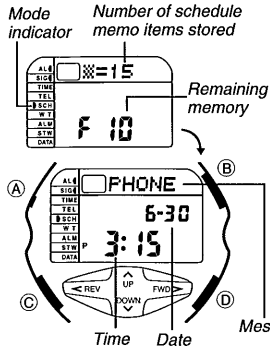
To edit Telememo data items

- In the Telememo Mode, scroll through the data items and display the one you want to edit.
- Press (A) and a cursor appears in the text display.
- Use (C) or (D) to move the cursor to the character you want to change.
- Use the Control Button to input the character you want.
- See "How to input individual characters" for details on input.
- Press (A) twice to return to the Telememo Mode.

To delete a Telememo item

1. In the Telememo Mode, scroll through the data items and display the one you want to delete.
2. Press (A) and a cursor appears in the text display.
3. Hold down (B) until the message "◇ CLEAR" appears on the display, indicating that the item is deleted. At this time the cursor appears in the text display, ready for input.
4. Input data or press (A) to exit the data input operation.

SCHEDULE MEMO MODE



The Schedule Memo Mode lets you store up to 50* sets of data, consisting of a message, along with the month, date and time of the appointment. You can also set a Schedule Memo alarm that sounds when the date and time you set are reached.

* The Schedule Memo Mode shares memory with the Telememo Mode, World Time Mode, and Personal Data Mode. This means that the maximum number of Schedule Memo Mode entries you can store is reduced each time you store data in one of these other modes.

• In the Schedule Memo Mode, hold down (B) to illuminate the display.

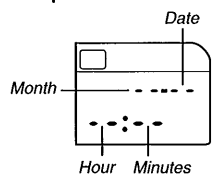
Notes

- Whenever you enter the Schedule Memo Mode, the display shows the next scheduled appointment.
- Once a Schedule Memo alarm starts to sound, you can switch it off by pressing any button.
- The Schedule Memo alarm sounds and its message is displayed only if the watch is in the Timekeeping Mode when the applicable date and time is reached. In other modes, only the alarm sounds (but no message is displayed).
- If you are inputting data or changing time settings when a Schedule Memo alarm time is reached, the alarm does not sound.

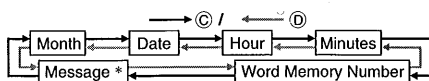
About Schedule Memo Mode memory management...

Schedule Memo Mode data items are automatically sorted into chronological order. When the current (Timekeeping Mode) date changes at midnight each day, Schedule Memo items with dates before the new date are automatically deleted (except for the annual items described under "Using the Schedule Memo's Word Memory"). You can also manually delete Schedule Memo items using the procedure under "To delete a specific Schedule Memo item".

To input new Schedule Memo data



1. In the Schedule Memo Mode, press FWD or REV until the New Item Display appears.
- If there is no Schedule Memo data stored in memory yet, the New Item Display appears as soon as you enter the Schedule Memo Mode.
2. Press (A) and the month digits begins to flash because they are selected.
3. Use (C) or (D) to change the flashing selection in the following sequence.



* There are 10 spaces in the message, so you may have to press (C) or (D) a number of times to before you reach the Month setting.

4. While the month, date, hour, minutes, or word memory is flashing, press FWD to increase the number or REV to decrease it. Holding down either FWD or REV changes the current selection at high speed.

Important

- Correct storage of a Schedule Memo will be impossible if you do not input a month, date and time.
 - 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, 1993, you will be able to specify any date up to June 29, 1994 for a Schedule Memo item.
5. Input a message using one of the three methods described below. You can skip this step if you do not want to input a message.
 - Manually input up to 10 characters as described in "How to input individual characters".
 - Input Word Memory messages as described under "Using the Schedule Memo's Word Memory".
 - Input Word Memory messages first, followed by manual input of characters.
6. After inputting your data, press (A) to store it and advance to the next item.
 7. Input data for the next item or press (A) again to exit the data input operation.
 - If the message "◇ FULL" appears on 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.

To scroll through Schedule Memo data items

In the Schedule Memo Mode, press FWD to scroll forward through stored data items or REV to scroll in reverse.

- Holding down FWD or REV scroll through the data at high speed.
- The text display can show only 6 characters at a time, so longer messages scroll continuously from right to left.

To edit Schedule Memo data items

1. In the Schedule Memo Mode, scroll through the data items and display the one you want to edit.
2. Press (A) and the month digits begin to flash because they are selected.
3. Use (C) or (D) to move the cursor to the character you want to change or to the word memory number (if you want to change the word memory number).
4. Use the Control Button for input.
 - See "How to input individual characters" for details on character input.
 - See "To input from the Word Memory" for details on Word Memory input.
5. Press (A) twice to return to the Schedule Memo Mode.

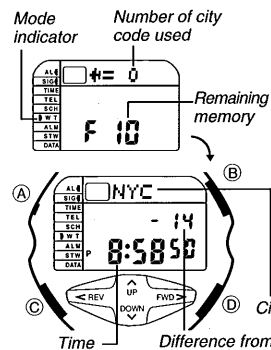
To delete a specific Schedule Memo item

1. In the Schedule Memo Mode, scroll through the data items and display the one you want to delete.
2. Press (A) and the month digits begin to flash because they are selected.
3. Hold down (B) until the message "◇ CLEAR" appears on the display, indicating that the item is deleted. At this time the month digits begin to flash in the display.
4. Input data or press (A) to exit the data input operation.

To test the Schedule Memo alarm

Hold down (D) while in the Schedule Memo Mode to sound the alarm.

WORLD TIME MODE



Use the World Time Mode to find out the current time in any one of 29 time zones around the world. When you set the time for any time zone, all other zones are adjusted accordingly.

• In the World Time Mode, hold down (B) to illuminate the display.

- *1 You can change this indicator to show the time difference from any other time zone you want. See "To set your home time zone".
- *2 For full information on city codes, see the City Code Table at the back of this manual. You can also input your own city codes using the procedure under "To change the city codes".

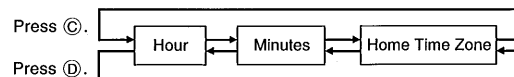
To scroll through the World Time zones

In the World Time Mode, press FWD or REV to scroll through the World Time Zones. The time zone that is displayed when you leave the World Time mode will still be displayed when you enter the World Time mode again.

- In addition to scroll searching for city codes, you can also use initial character search.

To set the World Time

1. Display the time zone you can set the time.
2. Press (A). The hour digits flash on the display because they are selected.
3. Press (C) or (D) to change the selection in the following sequence.



4. While the hour or minutes digits are selected (flashing), press FWD to increase the number or REV to decrease it. Holding down either FWD or REV changes the current selection at high speed.

- The seconds count in the World Time Mode is synchronized with the seconds count in the Timekeeping Mode.

5. After you set the time, press (A) twice to return to the World Time Mode.

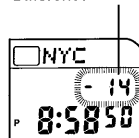
To switch the World Time Mode between standard time and daylight saving time

1. In the World Time Mode, display the time zone you want.
2. Press (A) and the hour digits flash on the display because they are selected.
3. Press (B) to switch between standard time and daylight saving time (summer time).
- The indicator "DST" is shown on the display whenever daylight saving time is set.
4. After you set the standard time or daylight saving time, press (A) twice to return to the World Time Mode.
- Note that the daylight saving time/standard time setting affects only the currently displayed time zone. Other zones are not affected.

To set your home time zone

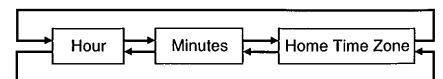
When you set a home time zone, the watch automatically indicates the time difference between the currently displayed World Time zone and your home time zone.

Difference from GMT



1. In the World Time Mode, display the time zone that you want to use as your home time zone.
2. Press (A) and the hour digits flash on the display because they are selected.
3. Use (C) or (D) to move the flashing to the time difference value. Normally this is the value that shows the difference from GMT.

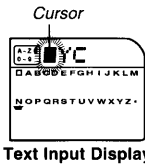
Press (C).



Press (D).

- Press FWD to switch the difference from GMT off (indicated by "--") and on (indicated by the time difference).
- Switching the difference from GMT off automatically makes the currently displayed time zone to your home time zone.
- After you are finished setting your home time zone, press (A) twice to return to the World Time display.

To change the city codes



- In the World Time Mode, display the time zone you want to change.
- Press (A) and the hour digits flash on the display because they are selected.
- Press (A) to start input. The display shows the message "CITY?", and then switches to the Text Input Display.
- Use (C) or (D) to move the cursor to the character you want to change.

- Use the Control Button to input the character you want.
- See "How to input individual characters" of this manual for details on input.
- A city code can be up to 12 characters long.
- After you change the city code, press (A) to return to the World Time Mode.

Note

Memory capacity is reduced by one each time you change a city code. This results in a reduction of the 50 memory places available for Telememo, Schedule Memo, Personal, and World Time data. No memory is used if a city code is deleted or changed back to its original (preset) city code.

To delete user city codes

You can delete a user city code either by clearing it or by changing it back to its original (preset) code.

- In the World Time Mode, display the time zone whose user city code you want to delete.
- Press (A) and the hour digits flash on the display because they are selected.
- Press (A) to start input. The display shows the message "CITY?", and then switches to the Text Input Display.
- Hold down (B) until the message "◇ CLEAR" appears on the display, indicating that the city code is deleted. At this time the cursor appears on the display, ready for input.
- If the user city code was previously deleted, the above step causes the message "◇ RESET" to appear, indicating that the city code has changed back to its original (preset) code.
- If you want to leave the city code blank, press (A) to return to the World Time Mode.
- If you want to change the city code back to its original (preset) code, hold down (B) until the message "◇ RESET" appears on the display. At this time, the original city code also appears.
- Press (A) to return to the World Time Mode.

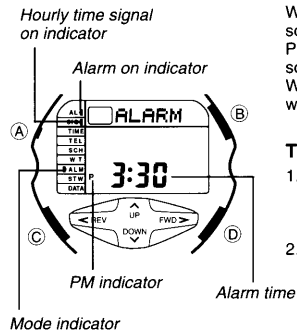
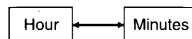
ALARM MODE

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

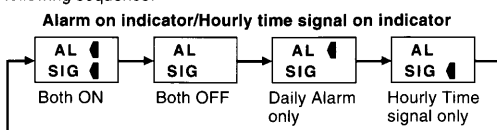
- Press (A) while in the Alarm Mode. The hour digits flash on the display because they are selected. At this time, the alarm is automatically switched on.
- Press (C) or (D) to change the selection in the following sequence.



- Press FWD to increase the selected digits or REV to decrease them. Holding down either FWD or REV 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 (A) 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 (B) while in the Alarm Mode to change the status of the daily alarm and hourly time signal in the following sequence.

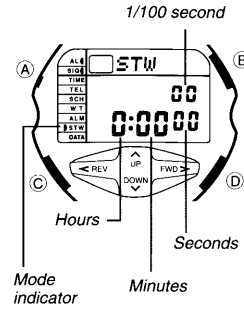


To test the alarm

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

STOPWATCH MODE

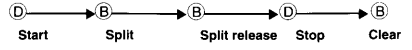
The Stopwatch Mode lets you measure elapsed time, split times, and two finishes. The range of the stopwatch is 23 hours, 59 minutes, 59.99 seconds.



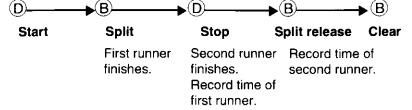
(a) Elapsed time measurement



(b) Split time measurement

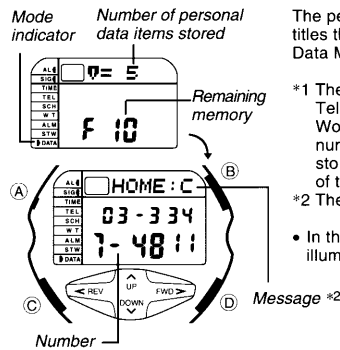


(c) Split time and 1st-2nd place times



PERSONAL DATA MODE

The personal data mode gives you a list of preset titles that you can use to store data. The Personal Data Mode lets you store up to 50*1 data items.



*1 The Personal Data Mode shares memory with the Telememo Mode, Schedule Memo Mode, and World Time Mode. This means that the maximum number of Personal Data Mode entries you can store is reduced each time you store data in one of these other modes.

*2 The text you input follows the title name.

- In the Personal Data Mode, hold down (B) to illuminate the display.

Preset Title Names

<input type="checkbox"/> OWNER DATA HOME OFFICE	<input type="checkbox"/> EMERGENCY ACCOUNTANT AMBULANCE DOCTOR FIRE HOSPITAL LAWYER POLICE
<input type="checkbox"/> NUMBERS BANK ACCT CREDIT CARD DRIVERS LIC INSURANCE LIC PLATE PASSPORT SECRET NO.	

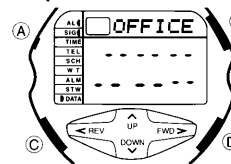
- The messages marked with "□" are category names. You cannot input text for category names.

To scroll through Personal data items

Press FWD and REV while in the Personal Data Mode to scroll through personal data items.

- The data item that is displayed when you exit the Personal Data Mode is still on the display the next time you enter the Personal Data Mode.
- In addition to scroll searching, you can also use initial character search.

To input new Personal data



- In the Personal Data Mode, press FWD or REV to display the title you want to use.
- Press (A) to start input. At this time, the Text Input Display appears.
- If previously stored data is shown on the display, press (A) again.

3. Input text using the procedure described under "How to input individual characters".

- You can input up to 6 characters.
- Use (C) or (D) to change to the Number Input Display.
- To change to the Number Input Display, move the cursor in the Text Input Display to the first (left) position and press (D), or to the last (right) position and press (C). Note that you can use the same operation to switch from the Number Input Display back to the Text Input Display.

5. Input numbers.

- You can use the procedure described under "How to input individual characters". Note, however, that you can input numbers only here.
- You can input up to 12 numbers.

- After you input your data, press (A) to store it and advance to the next data item with the title you selected in step 1.
- Input data for the next item or press (A) again to exit the data input operation.
- If the message "◇ FULL" appears on 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.

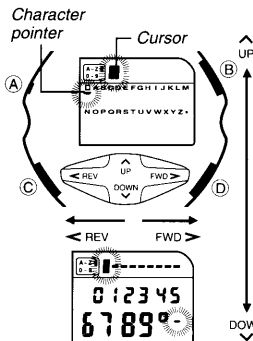
To edit Personal data item

1. In the Personal Data Mode, scroll through the data items and display the one you want to edit.
2. Press (A) and a cursor appears on the display.
3. Use (C) or (D) to move the cursor to the character you want to edit.
4. Use the Control Button to input the character you want.
- See "How to input individual characters" for details on input.
5. Press (A) twice to return to the Personal Data Mode.

To delete a Personal data item

1. In the Personal Data Mode, scroll through the data items and display the one you want to delete.
2. Press (A) and a cursor appears in the text display.
3. Hold down (B) until the message "◇ CLEAR" appears on the display, indicating that the item is deleted. At this time the cursor appears in the text display, ready for input.
4. Input data or press (A) to exit the data input operation.

INPUTTING TEXT



The following describes how to input individual characters for Telememo, Schedule Memo, World time, and Personal Data items. It also describes how to use the Schedule Memo Mode's word memory function, and Initial Characters Search.

How to input individual characters

1. When the cursor is blinking in the text display, use the Control Button to move the character pointer to the character that you want to input.
- Each time you change the position of the characters pointer, the selected character appears at the current cursor position.
2. After you select the character you want to input at the current cursor location, press (C) to advance the cursor to the right.
3. Repeat steps 1 and 2 until you complete your text input.

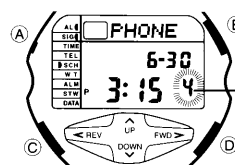
Using the Schedule Memo's Word Memory

The Schedule Memo's Word Memory provides you wish lists of commonly used terms that you can input into the message of a Schedule Memo item quickly and easily.

No.	Message	No.	Message
—	(No message)	4	PHONE
1	APPOINTMENT	5	TRAVEL
2	DOCTOR	6	◆ ANNIVERSARY
3	MEETING	7	◆ BIRTHDAY

When the current (Timekeeping Mode) date changes at midnight each day, Schedule Memo items with dates before the new date are normally cleared from memory automatically. Note, however, that messages 6 and 7 (the ones marked with ◆) are not cleared. If you want to clear a Schedule Memo item that contains one of these messages, you must do so manually.

To input from the Word Memory



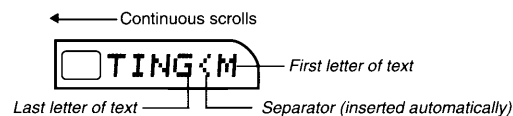
1. While the word memory number is flashing, press FWD or REV to scroll through the terms in the Word Memory in the sequence noted below.

No.	Message	No.	Message
—	(No message)	4	PHONE
1	APPOINTMENT	5	TRAVEL
2	DOCTOR	6	◆ ANNIVERSARY
3	MEETING	7	◆ BIRTHDAY

2. When the message you want is displayed, press (C).
3. You can now input more characters (see "How to input individual characters") or input the next items (see step 6 under "To input new schedule Memo data").

How the text display scrolls

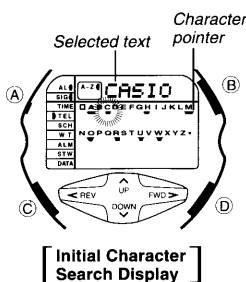
The text display can show only 6 characters at a time, so longer text scrolls continuously from right to left.



Initial Character Search

You can use this search procedure to quickly find the data you want. The following shows the type of data that is searched for in each mode.

- Telememo Mode: Name
- World Time Mode: City code
- Personal Data Mode: Title that contain the data



1. In the Telememo, World Time, or Personal Data mode, press (D) for the Initial Character Search display.
- In the Initial Character Search display, each letter that contains data is marked by " ". The flashing character pointer is located at the character that currently selected.
- The text (name, city code, title) that corresponds to the selected letter appears in the selected text display.
2. Use FWD and REV to move the flashing character pointer to character you want to search for.
3. Press (D) to display the entire data item for the text shown in the selected text display.
- If you do not press any button for about two or three minutes after the Initial Character Search display appears, the watch automatically returns to the data display.

Notes

- If more than one city code (World Time Mode) or title (Personal Data Mode) starts with the same letter, you can scroll through the city codes/titles in the selected display by pressing FWD and REV.
- In the case of names (Telememo Mode), you cannot scroll through the names that start with the same letter. To scroll through items with names that start with the same letter, locate the first data item using Initial Character Search, and then display the entire data item by pressing (D). You can then scroll through the entire data items using FWD and REV.