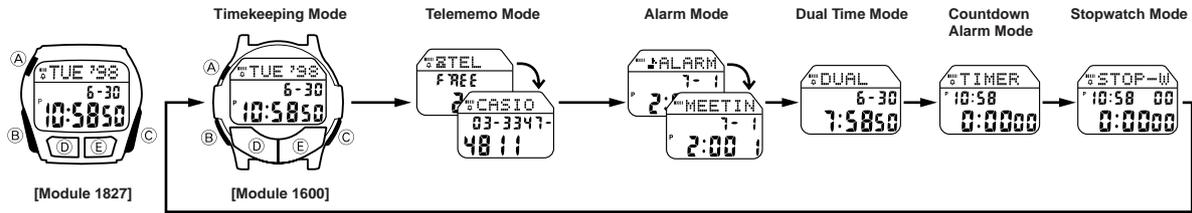
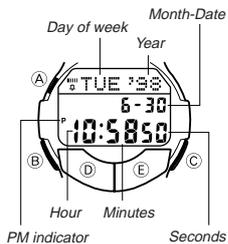


## GENERAL GUIDE

- The operational procedures for Module 1600 and 1827 are identical. All of the illustrations in this manual show Module 1600.
- Press (B) to change from mode to mode. After you perform an operation in any mode, pressing (B) returns to the Timekeeping Mode.
- In any mode press (C) to illuminate the display for about two seconds.



## TIMEKEEPING MODE



- In the Timekeeping Mode, press (D) to switch between the 12-hour and 24-hour formats.

### To set the time and date

1. Press (A) while in the Timekeeping Mode. The seconds digits flash on the display because they are selected.
2. Press (B) to change the selection in the following sequence.

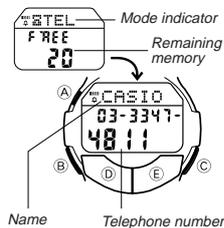


3. While the seconds digits are selected (flashing), press (E) to reset the seconds to 00. If you press (E) while the seconds count is in the range of 30 to 59, the seconds are reset to 00 and 1 is added to the minutes. If the seconds count is in the range of 00 to 29, the minutes count is unchanged.
4. While any other digits (besides seconds) are selected (flashing), press (E) to increase the number or (D) to decrease it.
  - Holding down either button changes the current selection at high speed.
  - When the 12-hour format is selected, the indicator P appears on the display to indicate "p.m." times. There is no indicator for "a.m." times. Selecting the 24-hour format causes the indicator 24 to appear on the display.
5. 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.

### About the backlight

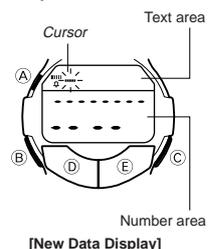
- In any mode, press (C) to illuminate the display for about two seconds.
- The backlight of the watch employs an electro-luminescent (EL) light, which loses illuminating power after very long use.
  - The illumination provided by the backlight may be hard to see when viewed under direct sunlight.
  - 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.
  - If the alarm time you set in the Alarm Mode is reached while the backlight is turned on, the alarm tone will not start to sound until the backlight turns off.

## TELEMEMO MODE



- The Telememo Mode lets you store up to 30 pairs of name and telephone number data. Data is automatically sorted based on the characters of the name. You can recall data by scrolling through it on the display.
- See the "CHARACTER LIST" at the back of this manual for details on how the watch sorts data.
  - The data item on the display when you exit the Telememo Mode appears first the next time you enter the Telememo Mode.

### To input new Telememo data



1. In the Telememo Mode, press (D) or (E) until the new data display appears.
  - The new data display is the one that is blank (contains no name and telephone number).
  - If there is no Telememo data stored in memory yet, the new data display appears as soon as you enter the Telememo Mode.
2. Press (A) and a cursor appears in the text area.
3. Input a name in the text area and a telephone number in the number area.

Use (D) and (E) to input characters, and (B) to move the cursor around the display. For details, see "How to input characters".

- You can input up to eight characters in the text area, and 12 digits in the number area.
- Make sure that you distinguish between the letter O and the number 0 (zero). Inputting a zero for the letter O will affect automatic sorting.
- 4. 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.
- The text area of the display can show only six characters at a time, so longer text scrolls continuously from right to left.
- 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.

### To recall Telememo data

- In the Telememo Mode, press (E) to scroll forward through stored data items or (D) to scroll in reverse.
- Holding down either button scrolls through the data at high speed.

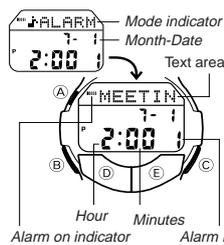
### To edit Telememo data items

1. In the Telememo Mode, scroll through the data items and display the one you want to edit.
2. Press (A) and a cursor appears in the text area.
3. Use (B) to move the cursor to the character you want to change.
4. Change the character.
- See "How to input characters" for details.
5. After making the changes that you want, press (A) to store it and return to the Telememo Mode.

### To delete Telememo data

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 area.
3. Press (D) and (E) at the same time to delete the data item.
- At this time the cursor appears in the text area, ready for input.
4. Input data or press (A) to return to the Telememo Mode.

## ALARM MODE



You can set five independent alarms with the hour, minutes, month and date. You can even input text that appears on the display to remind you of the purpose of each alarm. Use the Alarm Mode to turn the alarm and the Hourly Time Signal on and off.

- When an alarm is turned on, an alarm tone sounds for 20 seconds when the preset time is reached.
- When the Hourly Time Signal is turned on, the watch beeps every hour on the hour.

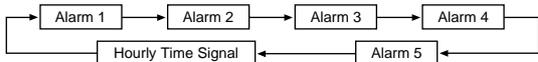
### Alarm Types

The types of alarm you get depends on the information you set.

- **To set a Daily alarm**  
Set the hour and minutes for the alarm time. Set -- for the month and date (see step 4 under "To set alarms"). This type of setting causes the alarm to sound everyday at the time you set.
- **To set a Date alarm**  
Set the 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.
- **To set a 1-Month alarm**  
Set the month, hour and minutes for the alarm time. Set -- for the date (see step 4 under "To set alarms"). This type of setting causes the alarm to sound every day at the time you set, only during the month you set.
- **To set a Monthly alarm**  
Set the date, hour and minutes for the alarm time. Set -- for the month (see step 4 under "To set alarms"). This type of setting causes the alarm to sound every month at the time you set, on the date you set.

**To set alarms**

1. Press (E) while in the Alarm Mode to select Alarm 1 through Alarm 5.



- After you select an alarm, press (A). The hour digits flash on the display because they are selected.
- At this time, the alarm is automatically switched on.
- Press (B) to change the selection in the following sequence.



- \* There are eight spaces in the text, so you have to press (B) eight times to move to the Hour setting.
- Press (E) to increase the selected digits and (D) to decrease them. Holding down either button changes the selection at high speed.
- To set an alarm that does not include a month (daily alarm, monthly alarm), set -- for the month. Press (E) or (D) until the -- mark appears (between 12 and 1) while the month digits are flashing.
- To set an alarm that does not include date (daily alarm, 1-month alarm), set -- for the date. Press (E) or (D) until the -- mark appears (between 31 and 1) while the date digits are flashing.
- 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.
- If you want to input reminder text, first use (B) to move the cursor to the text area of the display and then input text.

Use (D) and (E) to input characters, and (B) to move the cursor around the display. For details, see "How to input characters".

- You can input up to eight characters in the text area.
- Anytime while the cursor is on the display, you can press (D) and (E) at the same time to clear it.
- After you finish inputting data, press (A) to return to the Alarm Mode.
- If you input reminder text, the text appears on the display when the alarm time is reached.
- Note that reminder text appears only if the watch is in the Timekeeping Mode when the alarm time is reached. Otherwise, only the alarm tone sounds (without the reminder text).

**To stop an alarm once it starts to sound**

Press any button to stop an alarm when it starts to sound. The reminder text for the alarm (if any) will remain in the text area of the display for about 20 seconds.

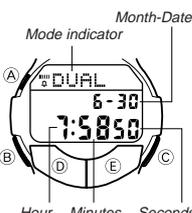
**To switch an Alarm and Hourly Time Signal on and off**

- In the Alarm Mode, press (E) to select an alarm or the Hourly Time Signal.
  - When the alarm or Hourly Time Signal you want to is selected, press (D) to switch it on and off.
- ▣▣▣▣ Indicates alarm is ON
  - ▣▣▣▣ Indicates Hourly Time Signal is ON
  - If any alarm is on, the Alarm On Indicator is shown on the display when you change to another mode.

**To test the alarm**

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

**DUAL TIME MODE**



The Dual Time function of this watch lets you keep track of time in a different time zone.

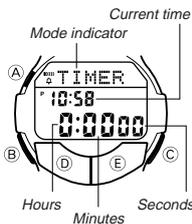
- In the Dual Time Mode, the seconds count is synchronized with the seconds count of the Timekeeping Mode.
- In the Dual Time Mode, press (D) to switch between the 12-hour and 24-hour formats.

**To set the Dual Time**  
 1. Press (A) while in the Dual Time Mode. The hour digits flash on the display because they are selected.

- Press (B) to change the selection in the following sequence.
- 
- ```

    graph LR
      H[Hour] --> M[Minutes]
      M --> Mo[Month]
      Mo --> D[Date]
    
```
- Press (E) to increase the selected digits and (D) to decrease them. Holding down either button changes the selection at high speed.
  - After you set the time, press (A) to return to the Dual Time Mode.

**COUNTDOWN ALARM MODE**



The countdown timer can be set within a range of 1 minute to 24 hours. When the countdown reaches zero, an alarm sounds for 10 seconds or until you press any button. Note that you can also select auto repeat timing that automatically restarts the countdown from the original value you set whenever zero is reached.

**To set the countdown start time**

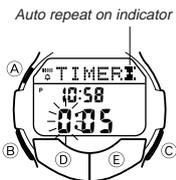
- Press (A) while in the Countdown Alarm Mode. The hours digit flashes on the display because it is selected.
  - Press (B) to change the selection in the following sequence.
- 
- ```

    graph LR
      H[Hours] --> M[Minutes]
    
```
- Press (E) to increase the selected number. Holding down (E) changes the selection at high speed.
  - To set the starting value of the countdown time to 24 hours, set 0:00.
  - After you set the countdown start time, press (A) to return to the Countdown Alarm Mode.

**To use the countdown timer**

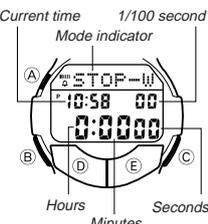
- Press (E) while in the Countdown Alarm Mode to start the countdown timer.
- Press (E) again to stop the countdown timer.
- You can continue countdown timer operation by pressing (E).
- Stop the timer and then press (D) to reset the countdown time to its starting value.
- When the end of the countdown is reached and auto repeat timing is off, the alarm sounds for 10 seconds or until you stop the alarm by pressing any button. Countdown timing stops, and the countdown time is automatically reset to its starting value after the alarm stops.

**To switch auto repeat timing on and off**

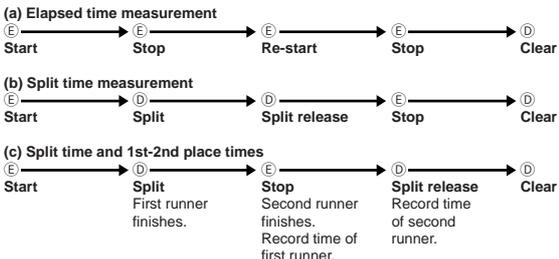


- Press (A) while in the Countdown Alarm Mode. The hours digit flashes on the display because it is selected.
- Press (D) to switch auto repeat on and off.
- Press (A) to return to the Countdown Alarm Mode.
- When the end of the countdown is reached while auto repeat is on, the alarm sounds, but the countdown restarts from the beginning without stopping. You can stop the countdown by pressing (E) and manually reset to the start time by pressing (D).

**STOPWATCH MODE**



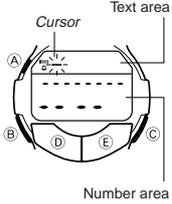
The Stopwatch Mode lets you measure elapsed time, split times, and two finishes. The range of the stopwatch is 23 hours, 59 minutes, 59.99 seconds.



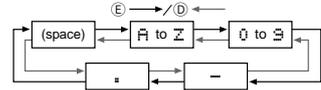
**INPUTTING TEXT**

The following describes how to input text in the Telememo Mode and Alarm Mode. It also provides details of how text is produced in the text area of the display.

**How to input characters**

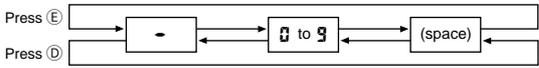


1. When the cursor is blinking in the text area, use **E** and **D** to scroll through the available letters, numbers and symbols, in the following sequence.



- Holding down either button scrolls through at high speed.

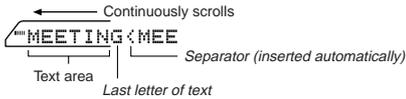
2. When the character you want at the cursor position is shown, press **B** to move the cursor to the right.
  3. Repeat steps 1 and 2 until your text is complete.
- The text area in the Telememo Mode can hold up to eight characters. When the cursor is located at the eighth space of the text area in this mode, moving the cursor to the right causes it to jump down to the first digit in the number area. When the cursor is at the 12th digit of the number area, moving it to the right causes it to jump back up to the first character of the text area.
  - You can input only numbers and spaces in the number area. Each press of **E** or **D** 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).

**How the text display scrolls**

The text area of the display can show only six characters at the time, so longer text scrolls continuously from right to left.



**CHARACTER LIST**

1	(space)	11	J	21	T	31	3
2	A	12	K	22	U	32	4
3	E	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		