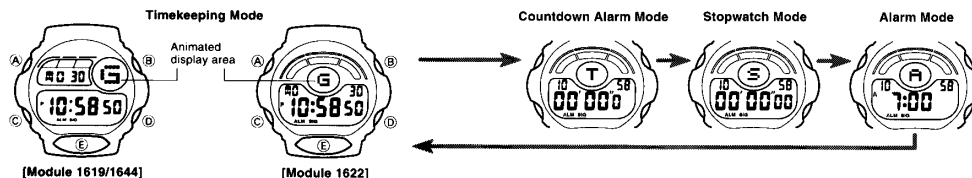


## 2. OPERATION CHART : QW-1619 / 1622 / 1644

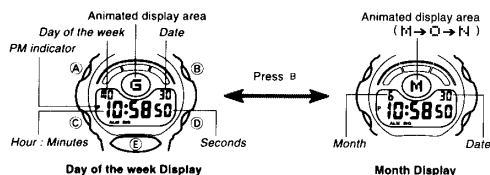
### GENERAL GUIDE

- The operational procedures for Module 1619, 1622, and 1644 are identical. All of the illustrations in this manual show Module 1622.
- The animated display area shows different animated characters and graphics, depending on the mode and the operation being performed. With Module 1644, animated graphics also appear at the top of each minute in the Timekeeping Mode.
- The watch automatically returns to the Timekeeping Mode if you do not perform any button operation for two or three minutes in any other mode.
- Press (C) to change from mode to mode.



### TIMEKEEPING MODE

- In the Timekeeping Mode, press (B) to switch between the month and the day of the week displays. With the month display, the animated display area shows repeating characters that indicate the current day of the week. With the day of the week display, it shows a G-mark.



- In the Timekeeping Mode, press (D) to switch between the 12-hour and 24-hour formats.
- In the Timekeeping Mode, press (E) to illuminate the display for about two seconds.

#### 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. Press (C) to change the selection in the following sequence.

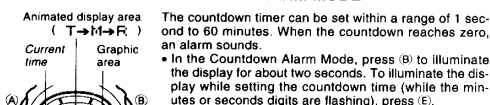


3. While the seconds digits are selected (flashing), press (D) to reset the seconds to 00. If you press (D) while the seconds count is in the range of 30 to 59, the seconds are reset to 00 and 1 is added to the minutes. If the seconds count is in the range of 00 to 29, the minutes count is unchanged.
  4. While any other digits (besides seconds) are selected (flashing), press (D) to increase the number. Holding down (D) changes the current selection at high speed.
  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

- Depending on the mode, pressing (E) or (B) turns on the backlight for about two seconds. See the sections that cover each mode for information on whether you should press (E) or (B).
- 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 transistor that vibrates when the EL panel lights up. It does not indicate malfunction of the watch.

### COUNTDOWN ALARM MODE



#### To set the countdown time

1. Hold down (A) while in the Countdown Alarm Mode until the minutes digits start to flash on the display. The minutes digits flash because they are selected.
  2. Press (C) to change the selection in the following sequence.
- Minutes ←→ Seconds
3. Press (D) to increase the selected number. Holding down (D) changes the selection at high speed.
  4. To set the starting value of the countdown time to 60 minutes, set 00:00.
  4. After you set the countdown time, press (A) to return to the Countdown Alarm Mode.
  - 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 Countdown Alarm Mode automatically.

#### To use the countdown timer

1. Press (E) while in the Countdown Alarm Mode to start the countdown timer.
2. Press (E) again to stop the countdown timer.
- You can continue countdown timer operation by pressing (E).
3. Stop the timer and then press (D) to reset the countdown time to its starting value.
- When the countdown reaches zero, an alarm sounds for 10 seconds or until you stop the alarm by pressing any button. The countdown time is automatically reset to its starting value after the alarm stops.

#### About countdown indicators

An audible beep, the EL backlight, and the graphic area on the display keep you informed about the progress of the countdown as noted in the following table.

| Indication   | Start    | 5:00:0   | Time Up    |
|--------------|----------|----------|------------|
| Beep         | 1 second | 1 second | 10 seconds |
| Backlight    | 1 second | 1 second | 2 seconds  |
| Graphic Area |          |          |            |

### STOPWATCH MODE

Animated display area (T→M→R)

Current time

Minutes 1/100 second

Seconds

Minutes

Seconds

Minutes

Seconds

Minutes

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Seconds

The Stopwatch Mode lets you measure elapsed time, split times, and two finishes. You also get Auto-Start function. The range of the stopwatch is 59 minutes, 59.99 seconds.

- In the Stopwatch Mode, press (B) to illuminate the display for about two seconds.

#### To measure elapsed time

1. Press (E) to start the stopwatch.
2. Press (E) to stop the stopwatch.
- You can resume the measurement operation by pressing (E) again.
3. Press (D) to clear the stopwatch to all zeros.

#### To record split times

1. Press (E) to start the stopwatch.
2. Press (D) to display the timing up to that point. Stopwatch timing continues internally.
3. Press (D) to clear the split time and to continue time measurement on the display.
- You can repeat steps 2 and 3 as many times as you want.
4. Press (E) to stop the time measurement.
5. Press (D) to clear the stopwatch to all zeros.

#### To time first and second place finishes

1. Press (E) to start the stopwatch.
2. Press (D) when the first finisher crosses the line, and record the time.
3. Press (D) when the second finisher crosses the line.
4. Press (D) to display the finishing time of the second finisher.
5. Press (D) again to clear the stopwatch to all zeros.

#### About the Auto-Start function

With the Auto-Start function, the watch performs a 5-second countdown. When the countdown reaches zero, stopwatch operation starts automatically. During the final three seconds of the countdown, a beeper sounds with each second.

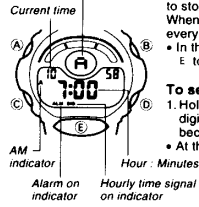
#### To use the Auto-Start function

1. While the stopwatch display is showing all zeros (00:00:00) in the Stopwatch Mode, press (D).
- At this time the auto-start indicator appears on the display to indicate that auto-start is on. Press (D) again to turn auto-start off (indicated when the auto-start indicator is not on the display).
2. Press (E) to start the countdown.
- Pressing (E) also causes the countdown time to appear in place of the current time.
- When the countdown reaches zero, a tone sounds, the backlight illuminates the display, and a stopwatch timing operation starts automatically.

- To stop the Auto-Start countdown and return to the all-zeros display, press (D).
- Pressing (E) while the Auto-Start countdown is in progress immediately start the stopwatch.

## ALARM MODE

Animated display area  
( F → L → M )



When the Daily Alarm is turned 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 turned on, the watch beeps every hour on the hour.  
• In the Alarm Mode (including alarm time setting), press E to illuminate the display for about two seconds.

### To set the alarm time

1. 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*.  
• At this time, the alarm is automatically turned on.

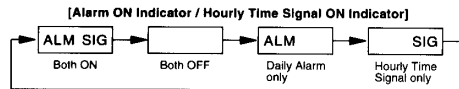
2. Press C to change the selection in the following sequence.



3. Press D to increase the selected digits. Holding down D 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).
4. After you set the alarm time, press A to return to the Alarm Mode.  
• 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 Alarm Mode automatically.

### To turn 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