Getting Acquainted

Congratulations upon your selection of this CASIO watch. To get the most out of your purchase, be sure to read this manual carefully.

Expose the watch to bright light to charge its capacitor before using it.
You can use this watch even as its capacitor is being charged by exposure to bright light.

- Be sure to read “Power Supply” on page E-17 of this manual for important information you need to know when exposing the watch to bright light.

Keep the watch exposed to bright light

The electricity generated by the solar cell of the watch is stored by a built-in capacitor. Leaving or using the watch where it is not exposed to light causes the capacitor to run down. Make sure the watch is exposed to light as much as possible.

- When you are not wearing the watch on your wrist, position the face so it is pointed at a source of bright light.
- You should try to keep the watch outside of your sleeve as much as possible. Charging is reduced significantly if the face is only partially covered.

About This Manual

- Button operations are indicated using the letters shown in the illustration.
- To ensure that this watch provides you with the years of service for which it is designed, be sure to carefully read the instructions under “Operating Precautions” and “User Maintenance”.

Procedure Lookup

The following is a handy reference list of all the operational procedures contained in this manual.

- To set the time and date
- To set an alarm time
- To test the alarm
- To turn the Hourly Time Signal on and off
- To use the countdown timer
- To set the countdown start time

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General Guide

- Press  to change from mode to mode.
- Pressing  after performing some operations in any mode returns to the Timekeeping Mode.

Timekeeping Mode

Press  to switch between the 12-hour and 24-hour formats.
- When the 12-hour format is selected, the indicator PM appears on the display to indicate “p.m.” times. There is no indicator for “a.m.” times.
- When the 24-hour format is selected, the indicator 24H appears on the display.
- A charge indicator appears on the display of this watch when charging is required.

To set the time and date

1. Press  four times in the Timekeeping Mode to display the setting screen.
2. Press  to move the selection (flashing) in the following sequence.

<table>
<thead>
<tr>
<th>Seconds</th>
<th>Hour</th>
<th>Minutes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Day of week</td>
<td>Day</td>
<td>Month</td>
</tr>
</tbody>
</table>

3. While the seconds setting is selected (flashing), press  to reset it to 00. If you press  while the seconds setting is in the range of 30 to 59, the seconds are reset to 00 and 1 is added to the minutes. If the seconds setting is in the range of 00 to 29, the minutes count is unchanged.
4. While any other setting is selected (flashing), press  to increase the number.
5. After you set the time and date, press  to return to the Timekeeping Mode.

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Alarms

You can set five independent Daily Alarms. When an alarm is turned on, the alarm tone sounds when the alarm time is reached.

You can turn on an Hourly Time Signal that causes the watch to beep twice every hour on the hour.

There are six screens in the Alarm Mode. Five are for daily alarms (indicated by numbers from 1 through 5), and one is for the Hourly Time Signal (indicated by Q).

All of the operations in this section are performed in the Alarm Mode, which you enter by pressing B (page E-6).

5. When the minutes setting is the way you want, press A. This will cause “ON” to flash on the display.
6. Press A to exit the setting screen.

Alarm Operation
The alarm sounds at the preset time for about 20 seconds, regardless of the mode the watch is in.

To stop the alarm
In the Alarm Mode, hold down C to sound the alarm.

Power Supply
This watch works by light energy, so no battery is necessary. Light energy is converted into electric energy by the solar cell and stored by the capacitor. The illustration shown below shows how you should position the watch for charging.

Example: Orient the watch so its face is pointing at a light source. The illustration shows how to position a watch with a resin band.

Note that changing efficiency drops when any part of the solar cell is blocked by clothing, etc.

You should try to keep the watch outside of your sleeve as much as possible. Charging is reduced significantly if the face is only partially covered.

Charging Precautions
Certain charging conditions can cause the watch to become very hot. Avoid leaving the watch in the areas described below whenever charging its capacitor. Also note that allowing the watch to become very hot can cause its liquid crystal display to black out. This watch is also subject to condensation, so be careful what you do after charging.

Warning!
Leaving the watch in bright light to charge its capacitor can cause it to become quite hot. Take care when handling the watch to avoid burn injury.
The watch can become particularly hot when exposed to the following conditions for long periods:

• On the dashboard of a car parked in direct sunlight
• Too close to an incandescent lamp
• Under direct sunlight

Charging Light
The watch will start to work within about three seconds after it is exposed to light (such as indoor fluorescent lighting). Set the time and calendar at this time.

Charge indicator “�” appears on the display when the charging rate is low.

If you continue to use the watch without exposing it to light after “�” appears, the watch will stop functioning after about three days.

Take steps to charge the watch’s capacitor as soon as possible after “�” appears. See “Recovery Times” (page E-21) for details.

The daily alarm, Hourly Time Signal, and other tones will not sound while “�” is on the display. Also, display figures may become dim.
Charging Guide
After a full charge, timekeeping remains enabled for up to about 14 days.
- The following table shows the amount of time the watch needs to be exposed to light each day in order to generate enough power for normal daily operations:

<table>
<thead>
<tr>
<th>Exposure Level (Brightness)</th>
<th>Approximate Exposure Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outdoor sunlight (50,000 lux)</td>
<td>6 minutes</td>
</tr>
<tr>
<td>Window sunlight (10,000 lux)</td>
<td>24 minutes</td>
</tr>
<tr>
<td>Window sunlight on cloudy day (5,000 lux)</td>
<td>48 minutes</td>
</tr>
<tr>
<td>Indoor fluorescent lighting (500 lux)</td>
<td>8 hours</td>
</tr>
</tbody>
</table>
- For details about the capacitor operating time and daily operating conditions, see the "Power Supply" section of the Specifications on page E-22.
- Stable operation is promoted by frequent charging.

Recovery Times
The table below shows the amount of exposure that is required to take the charge from one level to the next.

<table>
<thead>
<tr>
<th>Exposure Level (Brightness)</th>
<th>Approximate Exposure Time</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>From function stoppage until</td>
</tr>
<tr>
<td>Outdoor sunlight (50,000 lux)</td>
<td>1 hour and a half</td>
</tr>
<tr>
<td>Window sunlight (10,000 lux)</td>
<td>7 hours</td>
</tr>
<tr>
<td>Window sunlight on cloudy day (5,000 lux)</td>
<td>14 hours</td>
</tr>
<tr>
<td>Indoor fluorescent lighting (500 lux)</td>
<td>140 hours</td>
</tr>
</tbody>
</table>
- The above exposure time values are all for reference only. Actual required exposure times depend on lighting conditions.

Specifications
- Accuracy at normal temperature: ±30 seconds a month
- Timekeeping: Hour, minutes, seconds, p.m. (PM), day, day of the week
- Time system: Switchable between 12-hour and 24-hour formats
- Calendar system: Auto-calendar set at 28 days for February
- Alarm: 5 Daily Alarms; Hourly Time Signal
- Stopwatch: Measuring unit: 1/100 second
  - Measuring capacity: 59 minutes, 59.99 seconds
  - Measuring modes: Elapsed time, split time and two finishes
- Countdown Timer
  - Measuring unit: 1 second
  - Input range: 1 minute to 24 hours (1-minute increments and 1-hour increments)
- Power Supply: Solar cell and a coin type capacitor
  - Approximate capacitor operating time: 14 days (from full charge to stopping of watch operation) under the following conditions:
    - Watch not exposed to light
    - Internal timekeeping
    - 20 seconds of alarm operation per day

12 days (from full charge to stopping of watch operation) under the following conditions:
- 100 seconds of alarm operation per day