

MAIN FEATURES

- Telememo
- Schedule Memo
- Memo
- Secret Function
- Calculator
- 5 daily alarms
- Hourly time signal
- 12/24 hour formats
- 2-year battery life
- Power fade indicator
- Auto-calendar

U.S. Pat. 4,774,697

U.S. Pat. 4,815,032

GUARANTEE CERTIFICATE

MODEL :

DATE OF PURCHASE :

OFFICIAL DEALER STAMP

CASIO®

POWERED
BY
JAPAN

CH08020231C

CASIO® Module No.

727

ES

User's Guide
Guía del propietario

CASIO U.K. WARRANTY
CASIO U.S.A. WARRANTY

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READ THIS IMPORTANT INFORMATION FIRST

Battery

- The battery loaded at the factory discharges during shipment and storage. Because of this, you may have to replace battery that comes installed in the watch sooner than the normal battery life noted in this manual.
- Whenever battery power drops below a certain level, the message "BATTERY LOW." appears on the display whenever you switch on the digital display. After a few seconds the display then changes to the Telememo Mode screen. If you continue to use the watch after the low battery message appears, the analog hands eventually stop moving.
- All servicing of this watch, including replacement of its CR-2012C gold plated lithium battery must be performed by an authorized CASIO Service Center only.

Water Resistance

- This watch is not water-resistant. Avoid all moisture.
- Some water-resistant watches feature leather bands. Do not wear such a model during swimming or any other activity during which the band is immersed in water.

Care of your watch

- Never try to open the case or remove its back cover.
- You should have the rubber seal that keeps out water and dust replaced every 2 to 3 years.
- Should moisture appear inside the watch, have it checked immediately by your dealer or CASIO distributor.
- Avoid exposing the watch to temperature extremes.
- Though the watch is designed to withstand normal use, you should avoid rough use or dropping the watch.
- Do not fasten the band too tightly. You should be able to insert your finger between the band and your wrist.
- To clean the watch and band, use a dry soft cloth or a soft cloth moistened in a solution of water and a mild neutral detergent. Never use volatile agents (such as benzine, thinner, spray cleaners, etc.).
- Store your watch in a dry place when you are not using it.
- Avoid exposing the watch to gasoline, cleaning solvents, aerosol sprays, adhesive agents, paint, etc. Chemical reactions with such agents will destroy seals, case and finish.
- Some models feature silk screen printing on their bands. Be careful when cleaning such bands so that you do not rub on the printed designs too hard.

- For watches equipped with resin bands...

You may notice a whitish powdery substance on the band. This substance will not harm your skin or clothing, and can be removed by simply wiping it with a cloth.

Caution

The following causes all data stored in memory to be deleted. Be sure to always keep separate written copies of all important data.

- Malfunction or repairs
- Dead battery
- Battery replacement

In no event will CASIO be liable for loss of data or any damages arising out of such loss.

GENERAL GUIDE



Open the panels by pulling up with your finger here.

Figure 1

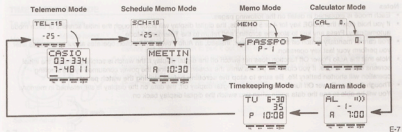
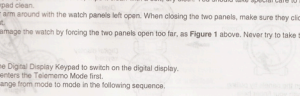
Important

- Do not press keys using a sharp object. Press the keys with your fingers only.
- If the Digital Display Keypad becomes soiled, wipe it clean with a soft, dry cloth. You should take special care to keep the rim around the keypad clean.
- Avoid moving your arm around with the watch panels left open. When closing the two panels, make sure they click into place and lock shut.
- Take care not to damage the watch by forcing the two panels open too far, as Figure 1 above. Never try to take the watch apart.

To change modes

1. Press any key in the Digital Display Keypad to switch on the digital display.
- The watch always enters the Telememo Mode first.
2. Press MODE to change from mode to mode in the following sequence.

GENERAL GUIDE



Notes

- Each mode is explained in detail on the following pages.
- If you hold down the **MODE** key for 4 or 5 seconds, the digital display will scroll through the initial screens of each mode automatically. Press any key to stop the scrolling and return to the Telememo Mode.
- You cannot manually switch off the digital display. Instead, an Auto Power Off function operates about six minutes after you perform your last key operation.
- Note that the Auto Power Off function does not switch off the digital display if the watch is scrolling through the initial screens of each mode. If you close the panels while the screen is scrolling, the power consumed by the scrolling operation will shorten battery life. **Be sure to stop the scrolling before closing the watch panels.**
- Though the Auto Power Off function switches the digital display off, the data on the display is still retained in memory. You will be able to see the data again when you switch the digital display back on.

TIMEKEEPING MODE

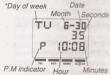
To set the analog time

Hour hand Minute hand



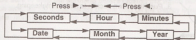
1. Pull the crown out to stop the second hand.
 - You can pull out the crown by pulling on it with your finger from above. Note that you cannot get at the crown to pull it out from below.
 - If you plan to restart analog timekeeping on some time signal (from the radio or television), pull the crown out when the second hand is at the 12 o'clock position.
2. Set the hands by turning the crown.
3. Push the crown back in to restart timekeeping.

To set the digital time and date



* Day of the week
 SU: Sunday, MO: Monday, TU: Tuesday,
 WE: Wednesday, TH: Thursday,
 FR: Friday, SA: Saturday

1. Use the keys in the Digital Display Keypad to switch on the display and enter the Timekeeping Mode.
 - Press **12/24** to switch between the 12-hour and 24-hour formats.
2. Press **ADJ** to set the digital time. The seconds digits flash on the display because they are selected.
3. Use **←** and **→** to change the current selection in the following sequence.



4. While the seconds digits are selected (flashing), press **0** to reset them to 00. If you press **0** while the seconds count is in the range of 30 to 59, it is reset to 00 and 1 is added to the minutes. If the seconds count is in the range of 00 to 29, the minutes are unchanged.
5. While any of the other digits are selected, use the Digital Display Keypad number keys to input the hour, minutes, year, month and date you want. Each time you input a number, the flashing selection moves automatically to the next digit to the right.
 - While either the hour or minutes digits are flashing, press the **PM** key to switch between AM (indicated by A on the display) and PM (indicated by P).
6. After you set the time and date, press **ADJ** 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, 1990 to December 31, 2089.
 - If you do not press any key for a few minutes while a selection is flashing, the flashing stops and the watch goes back to the Timekeeping Mode automatically.

USING THE TELEMEMO MODE

Number of telememo items stored



Total number of memory areas used



Mode indicator

The Telememo Mode lets you store up to 50* pairs of name and telephone number data. Data items are automatically sorted according to their name entries, in the sequence: symbols, alpha characters, numbers.

You can also protect confidential data using the Secret Function described on page 28.

- * 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 Schedule Memo data.

To input Telememo data

Text area



Number area

[New Entry Screen]

1. Use the Digital Display Keypad to switch on the digital display.
 - The watch always enters the Telememo Mode whenever you switch on the digital display.
 - The Telememo Mode item that was displayed when you last exited the Telememo Mode is shown on the display when you enter the Telememo Mode again.
2. In the Telememo Mode, press **▲** or **▼** until the New Entry Screen appears.
 - If there is no Telememo data stored in memory yet, the New Entry Screen appears as soon as you enter the Telememo Mode.
3. Press **ADJ** and a cursor appears in the text area of the display.
4. Input a name using the procedure described under "How to input characters" on page 24 of this manual.
 - The name can be up to 8 characters long.

- Make sure that you distinguish between the letter "o" and zero. Inputting a zero for an "o" can affect the automatic sorting.
5. Use **←** to move the cursor to the number area of the display.
 6. Use the number keys in the Digital Display Keypad to input the telephone number. Each time you input a number, the cursor automatically moves to the next digit to the right.
- The telephone number can be up to 12 characters long.
7. After inputting your data, press **→** to move on to the next item or **ADJ** 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 from memory.
 - The "FULL" message changes to "FULL → **SECRET**" if all of your Telememo data items are secret. For details on using the Secret Function, see page 28.

USING THE SCHEDULE MEMO MODE

Number of schedule memo items stored



Total number of memory areas used



Mode indicator

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 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. This means that the maximum number of Schedule Memo Mode entries you can store is reduced by one each time you store Telememo data.

Notes

- Whenever you enter the Schedule Memo Mode, the display shows the next item that is scheduled.
- 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.
- If a Schedule Memo time is reached while the digital display is off, the digital display switches on automatically. An alarm sounds for 20 seconds, and the message preset for the Schedule Memo item appears on the display.
- If a Schedule Memo time is reached while the digital display is on, an alarm sounds for 20 seconds. The message preset for the Schedule Memo item does not appear on the display.
- Once a Schedule Memo alarm starts to sound, you can switch it off by pressing any key.
- If you are inputting data or changing time settings when a Schedule Memo alarm time is reached, the alarm does not sound.

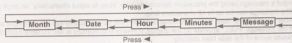
To input Schedule Memo data

Text area



[New Entry Screen]

1. Use keys in the Digital Display Keypad to switch on the display and enter the Schedule Memo Mode.
2. In the Schedule Memo Mode, press \blacktriangle or \blacktriangledown until the New Entry Screen appears.
 - If there is no Schedule Memo data stored yet, the New Entry Screen appears as soon as you enter the Schedule Memo Mode.
3. Press ADJ and the display changes to the current date display with the month digit flashing. The month flashes because it is selected.
4. Use \blacktriangleleft and \blacktriangleright to change the flashing selection in the following sequence.



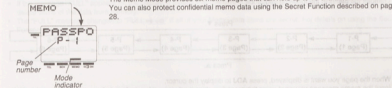
- While the month, date, hour or minutes digits are flashing, use the number keys in the Digital Display Keypad to input the numbers you want. Each time you input a number, the flashing selection moves automatically to the next digit to the right.

Important

- A Schedule Memo must have a month, date and time. You cannot store an item into memory unless it includes a month, date and time.
 - The date you specify must be within one year from the current date. This means that if the current date (in the Timekeeping Mode) is June 30, 1992, you will be able to specify any date up to June 29, 1993 for a Schedule Memo item.
- Input a message using the procedure described under "How to input characters" on page 24 of this manual.
 - The message can be up to 12 characters long.
 - After inputting your data, press \blacktriangledown to move on to the next item or ADJ 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 from memory.

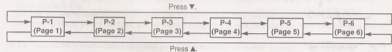
USING THE MEMO MODE

The Memo Mode provides six memo pages that can hold up to 15 characters each. You can also protect confidential memo data using the Secret Function described on page 28.



To input a memo message

1. In the Memo Mode, use **▲** and **▼** to select the page where you want to input your message. Each press of **▲** or **▼** changes the pages in the following sequence.



2. When the page you want is displayed, press **ADJ** to display the cursor.
3. Input the memo message you want using the procedure described under "How to input characters" on page 24 of this manual.

4. After inputting your memo message, press **ADJ** to store it and return to the Memo Mode.

- 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 from memory.
- The "FULL" message changes to "FULL → **SECRET**" if all of your Memo data items are secret. For details on using the Secret Function, see page 28.

SCROLLING, EDITING, AND DELETING MEMORY DATA

You can use the following procedure to scroll memory data on the display, to edit data and to delete it. These procedures can be used for Telememo Mode, Schedule Memo Mode, and Memo Mode data.

To scroll data on the display

While in the Telememo, Schedule Memo, or Memo Mode, press **▼** to scroll forward through the stored data items or **▲** to scroll backward.

- Holding down either key scrolls through the data at high speed.
- The text area can show only 6 characters at a time, so longer text scrolls continuously from right to left (page 26).

To edit data stored in memory

1. While in the Telememo, Schedule Memo, or Memo Mode, scroll through the data items and display the one you want to edit.

2. Press **ADJ** and a cursor appears in the text area of the display.

3. Use **◀** and **▶** to move the cursor to the character you want to change.

4. Input the character you want to change to.

- See "How to Input characters" for details on input.

5. Press **ADJ** to complete the editing operation.

To delete data stored in memory

1. While in the Telememo, Schedule Memo, or Memo Mode, scroll through the data items and display the one you want to delete.

2. Press **ADJ** and a cursor appears in the text area of the display.

3. Hold down **X (DATA CLR)** until the message "CLEAR" appears on the display, indicating that the item is deleted. At this time the cursor appears in the text area, ready for input.

4. Input new data or press **ADJ** to exit the data input operation.

INPUTTING TEXT

The following describes how to input characters into the text area of the display for Telememo, Schedule Memo, and Memo Mode items. Note that you can also select between input of English alphabetic characters and Japanese phonetic characters (katakana).

How to input characters

You can input English alphabetic characters, Japanese katakana, numbers, hyphens and spaces into the text area of the display. The following procedure illustrates how to input characters using the text "CASIO 5." as an example.



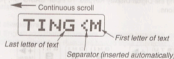
1. In the Telememo, Schedule Memo, or Memo Mode, press **ADJ** so that the cursor is flashing in the text area of the display.
- See the sections on each mode for full details on how to prepare for data input.
2. Input the characters using the Digital Display Keypad. To input "CASIO 5.", you would use the following key operations.



How the text area scrolls

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

- To stop the scrolling, press **◀** or **▶**. After about 2 seconds, the scrolling resumes.





Switching between English and Japanese Characters

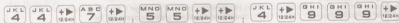
You can switch between Japanese phonetic input (katakana) and English input (alphabetic characters) for your data. Use the following procedure to switch between the two languages.

To switch between English and Japanese

While inputting characters in the Telememo, Schedule Memo, or Memo Mode (while the cursor is flashing in the text area of the display), press **MODE (JPN)** to switch between English input and Japanese input. The current input mode is indicated by the cursor shape.

 : English input  : Japanese input

- To input Japanese, use the alpha characters that spell out the pronunciation of the character you want to input. The following shows the key input for the Japanese word : カンジ



- English is the default mode whenever you start character input.

USING THE SECRET FUNCTION

You can protect specific Telememo and Memo Mode data items with a secret password. Once you register a password, no one can view the protected items unless they know the password.

Important

- Before you can register a secret password, you must first input Telememo or Memo data.
- Secret Function operations are identical in the Telememo and Memo Modes.

To register a password

- Be sure that you register a password that you can remember easily. If you forget it, there is no way to look it up. To clear a forgotten password, you will have to clear all the data stored under the password, too.
- The same password is used in both the Telememo and Memo modes. Once you register a password in one mode, it is also automatically registered for the other mode.



1. In the Telememo or Memo Mode, press **MODE** (=).
2. Use the number keys in the Digital Display Keypad to input your password.
 - The password is a 4-digit number.
 - After you input 4 digits, the display automatically returns to the Telememo or Memo Mode screen that was displayed before you press **MODE** (=).

To activate and deactivate the Secret Function



1. Press **MODE** to enter the Telememo or Memo Mode.
2. Press **MODE** (=) and a prompt appears asking you for the password.
3. Use the number keys in the Digital Display Keypad to input the password.
4. If the password you input is correct, the message "OK" appears, and then the display returns to the screen displayed in step 1, above.
Now, however, the Secret Function is activated so you will be able to see data items that are assigned the secret status.

- If you enter the wrong password, the message "ERROR" appears and the display returns to the prompt for password input. Either try again or press **ON/OFF** (=) to return to the screen displayed in step 1, above.

5. To deactivate the Secret Function, press **MODE** to change the mode.

To switch a data item between normal and secret status



Secret status indicator

1. Activate the Secret Function.
2. Use **▲** and **▼** to display the data item whose status you want to switch.
3. Press **—** (**ON/OFF**) to switch the status of the display data item between secret and normal.
 - The secret status indicator means that the displayed data item is a secret data item. A normal data item will not have a secret status indicator.
4. Repeat steps 2 and 3 to as many times as you want for other data items.

To recall secret data items



Secret status indicator

1. Activate the Secret Function.
2. Use **▲** and **▼** to scroll through the stored data items.
 - Holding down either key scrolls through data items at high speed.
 - While the Secret Function is active, all data items stored in the mode you are in appear on the display, including both normal and secret items.
 - While the Secret Function is not active, only the normal data items appear on the display.

To edit or delete a secret data item

1. Activate the Secret Function.
2. Use **▲** and **▼** to display the data item want to edit or delete.
3. Use the normal editing and deleting procedures described previously in this manual to perform the operation you want.

To change the password



1. In the Telememo or Memo Mode, press **ADJ** [=].
2. Press **ADJ** to display a prompt asking you to input the existing password.
 - If you change your mind about changing the password at this point, you can return to the display in step 1 by pressing **ADJ** and then **ADJ** [=].
3. Input the existing password.
4. If the password you input is correct, the prompt "NEW ?" appears, asking you to input the new password you want to change to.
 - If you enter the wrong password, the message "ERROR" appears and the display returns to the prompt for password input. Either try again or press **ADJ** and then **ADJ** [=] to return to the screen displayed in step 1, above.
5. Input the password you want to change to. When you enter the fourth digit, the message "OK" appears, and then the display returns to the screen displayed in step 1, above.

To clear all secret data

1. In the Telememo or Memo Mode, press **ADJ** [=].
2. Press **ADJ** to display a prompt asking you to input the existing password.

Important

- The following operation will clear all secret data items in both the Telememo and Memo Modes. This operation cannot be undone, so data cannot be recovered once it is cleared.
- To abort this operation at this point, press **ADJ** and then **ADJ** [=].

3. Hold down **X** (DATA CLR) until the message "CLEAR" appears on the display.
4. After the secret data is cleared, the message "NEW ?" appears on the display to tell you that you can input a new password.
5. Input a new password or press **ADJ** and then **ADJ** [=] to return to the screen displayed in step 1, above.

USING THE CALCULATOR MODE

Mode indicator



The Calculator Mode lets you perform addition, subtraction, multiplication, and division using 8-digit values (7 digits for negative values, because one digit is used by the minus sign).

To use the calculator

- Input calculation just as you do with any standard calculator, as shown in the examples below. Be sure to press **ADJ (C)** to clear the calculator before beginning each calculation.
- If the result of a calculation exceeds 8 digits, an "E" (error) indicator appears on the display. Press **ADJ (C)** to clear the error indicator.

Calculation Examples

Example	Operation	Display
$12.3 + 74 - 90 = -3.7$	$\text{ADJ (C)} \quad 12.3 + 74 - 90 =$	- 3.7
$(12 - 0.5) \times 3 + 7 = 4.9285714$	$\text{ADJ (C)} \quad 12 - .5 \times 3 + 7 =$	4.9285714
$10 + 7 = 17$	$\text{ADJ (C)} \quad 7 + + 10 =$	+ K 17.
$12 + 7 = 19$	$12 =$	+ K 19.
$78 - 12 = 66$	$\text{ADJ (C)} \quad 12 - - 78 =$	- K 66.
$45 - 12 = 33$	$45 =$	- K 33.
$2.3 \times 45 = 103.5$	$\text{ADJ (C)} \quad 45 \times \times 2.3 =$	x K 103.5
$5.1 \times 45 = 229.5$	$5.1 =$	x K 229.5
$78 \div 9.6 = 8.125$	$\text{ADJ (C)} \quad 9.6 \div \div 78 =$	+ K 8.125
$1.2 \div 9.6 = 0.125$	$1.2 =$	+ K 0.125

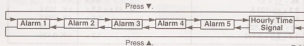
USING THE ALARM MODE



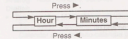
You can set up to 5 independent alarms. When an alarm is switched on, the watch beeps for 20 seconds every day at the preset time. Once an alarm sounds, you can stop it by pressing any key in the Digital Display Keypad. If you switch the Hourly Time Signal on, the watch beeps on the hour every hour.

To set an alarm

1. While in the Alarm Mode, Use \blacktriangle and \blacktriangledown to select one of the alarms.



2. After you select an alarm, press ADJ. The left hour digit of the daily alarm time on the display is flashing because it is selected.
3. Press \blacktriangleleft or \blacktriangleright to change the selection in the following sequence.



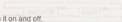
4. While any digit is selected, use the number keys in the Digital Display Keypad to input the hour and minutes you want. Each time you input a number, the flashing selection moves automatically to the next digit to the right.

 - While either the hour or minutes digits are flashing, press the PM key to switch between AM (indicated by A on the display) and PM (indicated by P).

- The format (12-hour and 24-hour) of the alarm time matches the format you select for digital timekeeping.
5. After you set the alarm time, press **ADJ** key to return to the Alarm Mode. At this time, the alarm is automatically switched on.

To switch an alarm or the Hourly Time Signal on and off

1. In the Alarm Mode, use **▲** and **▼** to select an alarm or the Hourly Time Signal.
2. When the alarm or Hourly Time Signal you want to is selected, press **↔** to switch it on and off.



||||| indicates alarm is ON.

⊙ indicates Hourly Time Signal is ON.

To test the alarm

Hold down **⊙**(=) while in the Alarm Mode to sound the alarm.

SPECIFICATIONS

Accuracy at normal temperature: ± 20 seconds a month

Analog : Hour, minutes, seconds

Digital:

- **Timekeeping Mode:** Hour, minutes, seconds, month, date, p.m.(P) / a.m.(A), day of the week
Time system: Switchable between 12-and 24-hour formats
Calendar system: Auto-calendar pre-programmed from the year 1990 to 2099
- **Telememo Mode**
Memory capacity: up to 50 sets of data (memory shared with Schedule Memo Mode)
Others: Secret Function, Auto Sort Function
- **Schedule Memo Mode**
Memory capacity: up to 50 sets of data (memory shared with Telememo Mode)
Others: Auto Sort Function
- **Memo Mode:** Up to six pages with up to 15 characters each, Secret Function

- **Calculator Mode:** 8-digit arithmetic operations
- **Alarm Mode:** 5 daily alarms, hourly time signal
- **Others:** Auto Power OFF, Power fade indicator

Battery: One lithium battery (Type: CR2012C)

Approximately 2 years operation (1 hour digital display and 20 seconds alarm operation per day)

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