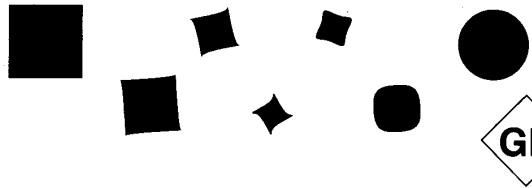


CASIO®

VDB-101

CE

Module No. 1553



CASIO®

Bedienungsanleitung
User's Guide

CASIO G.m.b.H. WARRANTY

CASIO G.m.b.H.
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E

1	Read This Important Information First
----------	--

Battery: The message **BATT** appears on the display when the battery power drops below a certain level. When this happens, have the battery replaced as soon as possible by your dealer or a CASIO distributor. The battery that comes installed in this watch when you purchase it is for factory test purposes, so the battery will probably not provide normal service life.

Water Resistance: Watches are ranked I through V according to water resistance. Check the ranking of your watch in the following chart to determine proper use.

*Rank	Case Designation	Splashes, rain, etc.	Swimming, car-washing, etc.	Snorkeling, diving, etc.	Scuba diving
I	-	No	No	No	No
II	WATER RESISTANT	Yes	No	No	No
III	50M WATER RESISTANT	Yes	Yes	No	No
IV	100M WATER RESISTANT	Yes	Yes	Yes	No
V	200M WATER RESISTANT 300M WATER RESISTANT	Yes	Yes	Yes	Yes

***Notes**

- I *Not water-resistant. Avoid all moisture.*
- III *Do not operate buttons underwater.*
- IV *If watch is exposed to salt water, wash thoroughly and wipe dry.*
- V *Usable while scuba diving (except at depths that require helium-oxygen gas).*

E-1

- 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 a 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.

E-2

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.
- Leaving the resin band wet with sweat or water, or storing it in an area subjected to high humidity can cause the band to deteriorate, cut, or crack. To ensure long life for the resin band, wipe off dirt or water with a soft cloth as soon as possible.

For watches equipped with fluorescent bands and cases...

- Long-term exposure to direct sunlight can cause fluorescent coloring to fade.
- Long-term contact with moisture can cause fluorescent coloring to fade. Be sure to wipe all moisture from the surface of the watch as soon as possible.
- Long-term contact with any other surface while wet can cause discoloration of fluorescent colors. Be sure to keep moisture from fluorescent surfaces and avoid contact with other surfaces.
- Strongly rubbing a printed fluorescent surface with another surface can cause the color of the printing to transfer to the other surface.

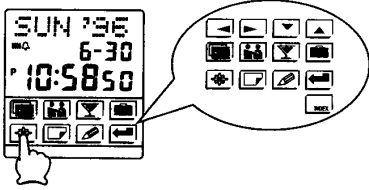
CASIO COMPUTER CO., LTD. assumes no responsibility for any loss, or any claims by third parties that may arise through the use of this watch.

E-3

2 Touch Screen Precautions

The touch screen of this watch shows an icon menu that lets you select the function you want by simply pressing on the correct icon with your finger.

- The icon menu shows only the functions that are currently available in the mode you are in. Icons for unavailable functions are not displayed.
- Take care so that you press the part of the touch screen that contains the icon whose function you want to perform.



Important!

- Do not use sharp objects to press the touch screen. Use your finger only. Sharp objects can damage the screen.
- The touch screen is installed on top of the glass. This type of construction may produce a rainbow effect on the display. The appearance of such phenomenon does not indicate any problem and there is no need for concern.

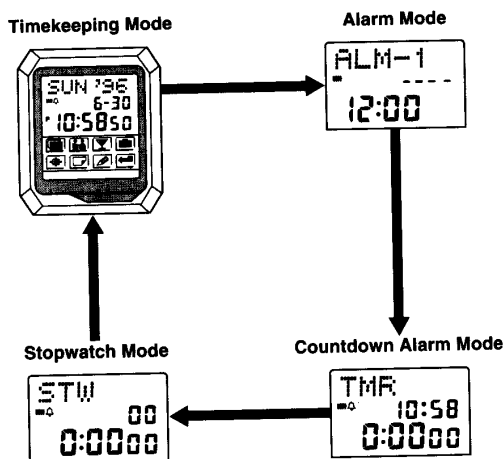
E-4

- You may experience problems with touch screen operation if the watch is left for a long time in an area subjected to temperatures above 60°C (140°F).
- This watch is not water resistant, so avoid high humidity and direct contact with water. Also, do not wear the watch during activities that may cause you to sweat a lot.
- Since the touch screen is small, you must be careful to press in the contact location.
- The touch screen becomes convex at high temperatures and high altitudes. This watch can still be used normally, and the screen will become flat again when the temperature or altitude return to normal.

E-5

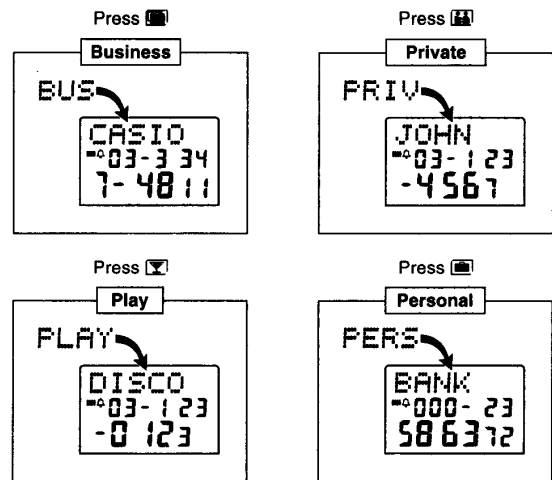
3 General Guide

- In any mode, press to illuminate the display for about two seconds.
- Press to change from mode to mode.



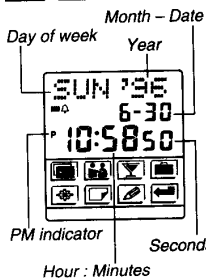
E-6

- Pressing , , , or while in the Timekeeping Mode enters one of the Telememo modes. To return to the Timekeeping Mode from a Telememo mode, press .



E-7

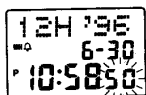
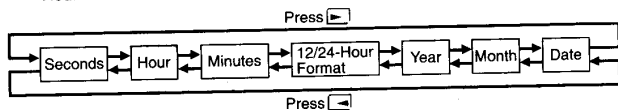
4 Timekeeping Mode



Besides setting the time and date, you can also specify summer time (daylight saving time) or standard time.

4-1 To set the time and date

1. While in the Timekeeping Mode, hold down until the message ADJUST? appears in the upper part of the display.
2. Press . The seconds digits flash on the display because they are selected.
3. Press or to change the selection in the following sequence.



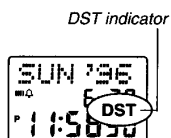
4. While the seconds digits are selected (flashing), press to reset the seconds to 00. If you press while the seconds count is in the range of 30 to 59, the seconds are reset to 00 and 1 is added to the minutes. If the seconds count is in the range of 00 to 29, the minutes count is unchanged.

E-8

5. While any other digits (besides seconds) are selected (flashing), press to increase the number or to decrease it. While the 12/24-hour setting is selected, press to switch between the two formats.
 - Holding down either key 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.
6. After you set the time and date, press or 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 key for a few minutes while a selection is flashing, the flashing stops and the watch goes back to the Timekeeping Mode automatically.

4-2 To switch between standard time and daylight saving time

In the Timekeeping Mode, hold down for two or three seconds to switch between standard time and daylight saving time (DST).



- Switching to daylight saving time advances the current time setting by one hour.
- A DST indicator appears on the display to indicate that daylight saving time is selected.

E-9

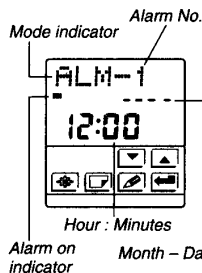
4-3 About the backlight

In any mode press to illuminate the display for about two seconds.

- The backlight of the watch employs an electro-luminescent (EL) light, which tends to lose illuminating power after very long use.
- The illumination provided by the backlight may be hard to see when viewed under direct sunlight.
- The backlight automatically turns off whenever an alarm sounds.

E-10

5 Alarm Mode



You can set five independent alarm with hour, minutes, month, and date. When the alarm is on, the alarm sounds for 20 seconds at the preset time. Press any icon to stop the alarm after it starts to sound.

When the Hourly Time Signal is on, the watch beeps every hour on the hour.

- If you do not operate any key for a few minutes while in the Alarm Mode, the watch automatically goes back to the Timekeeping Mode.

5-1 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 - - for the date (see step 5 under "5-2 To set alarms"). This type of setting causes the alarm to sound every day at the time you set.

• To set a Date Alarm

Set the month, date, 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.

E-11

• To set a 1-Month Alarm

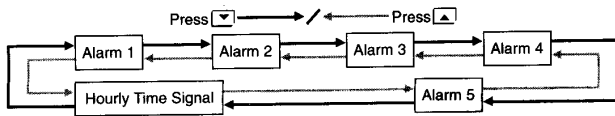
Set the month, hour and minutes for the alarm time. Set -- for the date (see step 5 under "5-2 To set alarms"). This type of setting causes the alarm to sound every day at the time you set, only during the month you set.

• To set a Monthly Alarm

Set the date, hour and minutes for the alarm time. Set - for the month (see step 5 under "5-2 To set alarms"). This type of setting causes the alarm to sound every month at the time you set, on the date you set.

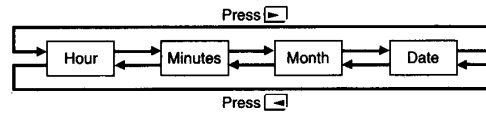
5-2 To set alarms

1. Press [V] or [A] while in the Alarm Mode to select Alarm 1 through Alarm 5.



2. After select an alarm, hold down [L] until the message SET ? appears in the upper part of the display.
3. Press [L]. The hour digits flash on the display because they are selected.
 - At this time, the alarm is automatically turned on.

4. Press [L] or [R] to change the selection in the following sequence.



5. Press [L] to increase the selected digits and [R] to decrease them. Holding down either key 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 [L] or [R] until the - mark appears (between 1 and 12) 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 [L] or [R] until the -- mark appears (between 1 and 31) 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).
6. After you set the alarm, press [L] to return to the Alarm Mode.
 - Pressing [L] in place of [L] returns directly to the Timekeeping Mode.
 - If you do not operate any key for a few minutes while a selection is flashing, the flashing stops and the watch goes back to the Timekeeping Mode automatically.

5-3 To turn an Alarm and Hourly Time Signal on and off

1. In the Alarm Mode, press [L] or [R] to select an alarm or the Hourly Time Signal.
2. When the alarm or Hourly Time Signal you want to is selected, press [L] to turn it on and off.

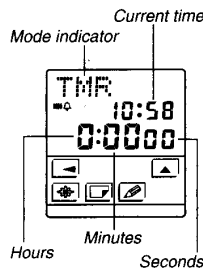
- Indicates alarm is ON.
- ⏰ Indicates Hourly Time Signal is ON.

- The Alarm On Indicator (■) and the Hourly Time Signal On Indicator (⏰) are shown on the display in all modes while these functions are turned on.

5-4 To test the alarm

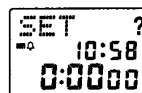
Hold down [L] while in the Alarm Mode to sound the alarm.

6 Countdown Alarm Mode



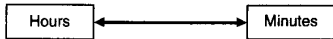
- The countdown timer can be set within a range of 1 minute to 24 hours. When the countdown reaches zero, an alarm sounds for 10 seconds or until you press any icon.
- Note that you can also select auto repeat timing that automatically restarts the countdown from the original value you set whenever zero is reached. This continues until you manually stop the countdown.
- Note that the PM/24 indicator (for the current time) does not appear in the Countdown Alarm Mode.
 - If you do not operate any key for a few minutes while in the Countdown Alarm Mode, the watch automatically goes back to the Timekeeping Mode.

6-1 To set the countdown time



1. While in the Countdown Alarm Mode, hold down [L] until the message SET ? appears in the upper part of the display.
2. Press [L]. The hours digit starts to flash on the display because it is selected.

3. Press or to change the selection in the following sequence.



- Press to increase the selected number or to decrease it. Holding down either key 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 time, press to return to the Countdown Alarm Mode.
- Pressing in place of returns directly to the Timekeeping Mode.
- If you do not operate any key for a few minutes while a selection is flashing, the flashing stops and the watch goes back to the Timekeeping Mode automatically.

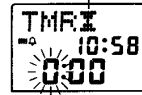
6-2 To use the countdown timer

- Press while in the Countdown Alarm Mode to start the countdown timer.
- Press again to stop the countdown timer.
- You can continue countdown timer operation by pressing .
- Stop the timer and then press 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 key. Countdown timing stops, and the countdown time is automatically reset to its starting value after the alarm stops.

E-16

6-3 To turn auto repeat timing on and off

Auto-repeat on indicator

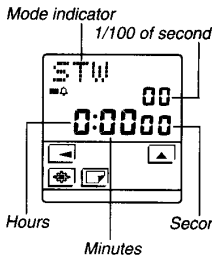


- While in the Countdown Alarm Mode, hold down until the message **SET?** appears in the upper part of the display.
- Press . The hours digit starts to flash on the display because it is *selected*.
- Press to switch auto repeat on and off.
- Press to return to the Countdown Alarm Mode.

- When the end of the countdown is reached while auto repeat is on, the alarm sounds, but the countdown starts again automatically whenever the countdown reaches zero. You can stop timing by pressing , and manually reset to the starting countdown time by pressing .

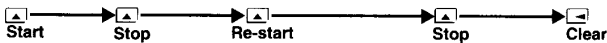
E-17

7 Stopwatch Mode



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

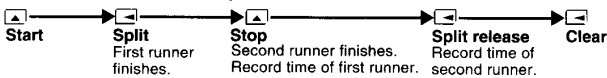
(a) Elapsed time measurement



(b) Split time measurement



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



E-18

8 Telememo Modes

This watch has four Telememo modes: Business, Private, Play, and Personal. This helps you to keep your telephone number, credit card, and other personal data classified, making it easier to manage.

Important!

Note the following important points about data storage using this watch.

- This watch is equipped with electronically erasable programmable read-only memory (EEPROM), which means that data is retained in memory even when the battery goes dead. Note, however, that any of the following can cause memory contents to be corrupted or lost entirely.

Taking the watch apart

Malfunction or repair

Strong impact or electrostatic charge

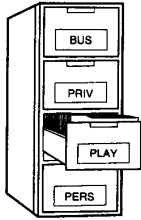
Environmental extremes (such as very cold temperature)

Wrong procedure when replacing the battery

- Because of the danger of data corruption or loss for the reasons described above, always be sure to keep written records of all names, phone numbers, and other data you store in the Telememo modes.
- The message **BATT** flashing on the display indicates that battery power is low and that the battery must be replaced as soon as possible.

E-19

8-1 About the Telememo Modes



A good way to picture the Telememo modes is to think of them as file cabinet drawers marked: Business, Private, Play, and Personal. Once you enter a Telememo mode, you can input new data (page E-23), recall old data (page E-28), edit existing data (page E-30), and delete data you no longer need (page E-32).

To enter a Telememo Mode

In the Timekeeping Mode, press the icon that corresponds to the mode you want to enter (page E-7).

8-2 About Telememo data

All Telememo data consists of "fields". Telememo Private Mode data, for example, is made up of a name field, multiple telephone number fields, and a memo field. A set of related fields make up a "data item".

Example:

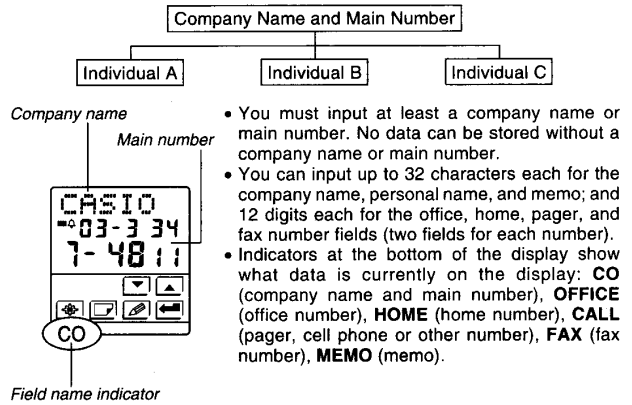
JOHN ← Field
123-4567 ← Field
CASIO COMPUTER ← Field } Data Item

The total number of data items that can be stored in the Telememo modes depends on how many characters are input in each field. Up to 100 standard size data items (page E-43) can be stored. See "Memory Capacity Table" at the back of this manual for details.

E-20

Telememo Business Mode

Use this mode to store names and telephone numbers you need for business. Once you input a company name and main telephone number, you can link the data for one or more individuals to the company name.



E-21

Telememo Private Mode

This mode is perfect for keeping track of the names and phone numbers of all your friends. You can also include memos to keep track of birthdays or other information.

- You can input up to 32 characters for the personal name and memo; and 12 digits each for the home, office, pager, and fax number fields (two fields for each number).
- Indicators at the bottom of the display show what data is currently on the display: **OFFICE** (office number), **HOME** (home number), **CALL** (pager, cell phone or other number), **FAX** (fax number), **MEMO** (memo).

Telememo Play Mode

With this mode, you can keep records of the phone numbers of restaurants, movie theaters, etc.

- You can input up to 32 characters for the name and memo; and 12 digits each for the phone and fax number fields (two fields for each number).
- Indicators at the bottom of the display show what data is currently on the display: **OFFICE** (office number), **FAX** (fax number), **MEMO** (memo).

Telememo Personal Mode

This mode provides a place for you to store important personal data, like credit card numbers, passport number, emergency phone numbers and more. You can even register a password to make sure that you are the only one who can recall your personal data.

- You can input up to 32 characters for the title; and 12 digits for each field of the item (two fields per item).

E-22

- Data you input in the Telememo Personal Mode must always be classified as one of the following 13 preset types. Each data type can be used more than once.

Preset Types	Meanings	Preset Types	Meanings
BANK	Bank account number	P-FORT	Passport number
CHK-ACCT	Checking account number	FIN	Personal identification number
C-CARD	Credit card number	SAV-ACCT	Savings account number
D-LIC	Driver's license number	SPEC	Special date/time
EMER	Emergency number	V-MAIL	Voice mail number
I-NET	Internet Address*	OTHER	Other data
LOCK	Locker number		

* Though some Internet addresses are case-sensitive, this watch supports upper-case alphabetic characters only.

- When you recall Telememo Personal Mode data (page E-28), normally the screen shows the data type and the text you input. This is true of all data types except OTHER, which shows only the text you input (without the data type OTHER).

8-3 Inputting Telememo Data

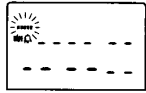
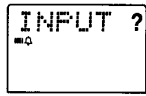
This section describes how to input new data into the Telememo Modes. Note that you can use the same basic input procedure for all modes. In Telememo Personal Mode you must also specify the type of data you are inputting besides actually inputting the data.

E-23

To input new data in the Telememo Business, Private, and Play Modes

See "8-4 Inputting Text and Numbers" for details on how to input letters and numbers.

1. Enter the Telememo Mode where you want to input data.
2. Hold down [F] for a few seconds until the function select screen appears.
- The function select screen lets you select between INPUT, EDIT, CLEAR, and MEMORY. The EDIT and CLEAR items appear only when there is data stored in memory.



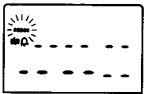
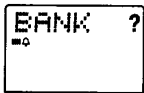
3. Use [↑] and [↓] to change the displayed function until INPUT? appears.
4. Press [F] to display the new input screen for the mode you are in.
 - The flashing cursor indicates the current input position.
5. Input the text data into the name field.
6. Press [F] to advance to the next field.
 - The current field is indicated by the field name indicator at the bottom of the display. See page E-21 for details.
7. Repeat steps 5 and 6 for the home, office, pager, and fax numbers.

- Each of the number fields (office, pager, etc.) let you input two separate numbers (Field 1 and Field 2). When you press [F] after inputting a number in Field 1, Field 2 appears for input of a second number. You can input a second number in Field 2, or press [F] without inputting anything to skip to the next field.
- Pressing [F] without inputting anything into Field 1 of a number field jumps to the next field without displaying Field 2.
- The types of fields that appear for input differ according to Telememo mode. See "8-2 About Telememo data" for details.
- In the Telememo Business Mode, the message SORT appears when you press [F] after inputting the company name and main number. This indicates that the watch is sorting the company data. After the sort operation is complete, the display for input of the name of the individual appears.
- 8. After you finish inputting all the data you want, press [F] to store it.
 - The SORT message appears on the display for a few moments as the watch sorts the data. If memory is almost full, it may take about a minute to sort the data.
 - If you do not input anything for about two or three minutes, the watch automatically returns to the Timekeeping Mode.
 - If memory becomes full while you are inputting data, further input becomes impossible. Also, fields may fail to appear for input when the memory gets almost full. Whenever you start running low on memory, delete some data items you no longer need and try inputting again.
 - You could press [F] at any time to store all data you have input up to that point.

To input new data in the Telememo Personal Mode

See "8-4 Inputting Text and Numbers" for details on how to input letters and numbers.

1. Enter the Telememo Personal Mode.
2. Hold down [F] for a few seconds until the function select screen appears.
3. Use [↑] and [↓] to display INPUT?.



4. Press [F].
5. Use [↑] and [↓] to scroll through the personal data types until the one you want to specify is displayed.
 - See page E-23 for information on preset data types.
6. Press [F] to advance to the new data input screen.
7. Input the title (such as the credit card company name) and press [F].

8. Input the number.
 - There are two number fields (Field 1 and Field 2). Pressing [F] after inputting a number in Field 1 causes Field 2 to appear for input of a second number. You can input a second number in Field 2, or press [F] without inputting anything to skip to the next field.
9. Press [F] to store the data.
 - The SORT message appears on the display for a few moments as the watch sorts the data.
 - If you do not input anything for about two or three minutes, the watch automatically returns to the Timekeeping Mode.

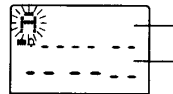
- You can also input Telememo Personal data under a password so no one else can view it. See "8-9 Secret Function".

8-4 Inputting Text and Numbers

Telememo screens let you input text for some items (names), and numbers only for other items (telephone numbers). In either case, a cursor flashes on the display to indicate the current input position.

To input text and numbers

Text field display area



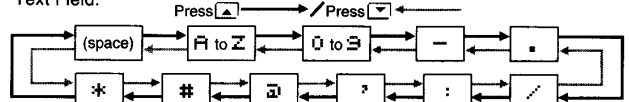
Number field display area

Use [↑] and [↓] to scroll through the characters or numbers at the cursor position until the one you want is displayed.

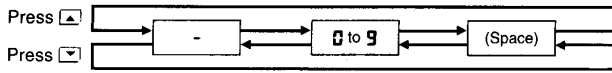
- The type of characters that appear at the cursor position depend whether it is located in a text field (company name, name, memo) or number field (phone, fax, pocket bell number).

- Each press of [↑] or [↓] scrolls through characters in one of the following sequences. See "Character List" at the back of this manual for details.

Text Field:



Number Field:



- Holding down either key changes the character at the cursor position at high speed.
- To change a character after it is input, use [Left Arrow] and [Right Arrow] to move the cursor to the characters and then use [Left Arrow] and [Right Arrow] to change it.

8-5 How the watch sorts Telememo data

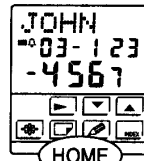
Basically, Telememo data in each mode is sorted into the alphabetical order of the text in the text fields.

- In the Telememo Business, data is sorted according to company names, and the data for each company is sorted according to personal names.
- In the Telememo Private and Play modes, data is sorted according to names.
- The Telememo Personal Mode, data is sorted according to type, and data for each type is sorted according to title text.
- See the "Character List" at the back of this manual for details on how the watch sorts data.

8-6 Recalling Telememo Data

There are two methods you can use to search for Telememo data: scroll search (all modes) and index search (Private and Play Modes). Note also that the scroll search procedure is slightly different in the Telememo Business Mode.

To use scroll search to recall data in the Private, Play, and Personal Modes



Field name indicator

1. Enter the mode that contains the data you want to look for.
2. Use [Left Arrow] and [Right Arrow] to scroll sequentially through the data on the screen.
 - When the name field of the displayed data item has more than seven characters, the name scrolls from right to left on the display.
 - Holding down either key scrolls through the data at high speed.
3. When the data item you want is on the display, you can use [Left Arrow] and [Right Arrow] to search through the other fields in the data item.
 - Only fields that contain data can be displayed (blank fields do not appear).
 - See "8-2 About Telememo data" for information on data items and fields.

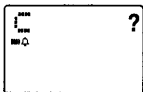
To use scroll search to recall data in the Business Mode



1. Enter the Business Mode and use [Left Arrow] and [Right Arrow] to scroll sequentially through the company names on the screen.
2. When the company whose data you want to view is on the display, press [Enter] to view its data.
3. Use [Left Arrow] and [Right Arrow] to scroll sequentially through the company's data on the screen.

4. When the data item you want is on the display, you can use [Left Arrow] and [Right Arrow] to search through the other fields in the data item.
 - Only fields that contain data can be displayed (blank fields do not appear).
 - See "8-2 About Telememo data" for information on data items and fields.

To use index search to recall data in the Private and Play modes



1. In the Private or Play Mode, press [Enter] (normally the [Enter] icon) to display the index screen.
2. Use [Left Arrow] and [Right Arrow] to scroll the character on the display until the character you want is on the screen.
 - Holding down either key scrolls at high speed.

3. Press [Enter] to jump to the first data item whose name data starts with the character you selected in step 2.
4. Now you can use [Left Arrow] and [Right Arrow] to scroll up and down.

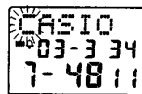
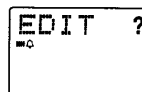
8-7 Editing Telememo Data

Use the following procedure to edit Telememo data that is stored in memory. You can use this procedure to edit Telememo Business, Private, Play, and Personal Mode data.

To edit Telememo data

1. Enter the Telememo Mode where you want to edit data, and display the data item.

- To add the name of an individual under a company name in the Telememo Business Mode, display the data for the company where you want to add the name and display the individual data screen with the OFFICE indicator at the bottom (page E-29).
- Use the procedures described under "8-6 Recalling Telememo Data" to display the data item you want.
- 2. Hold down [Enter] for a few seconds until the function select screen appears.



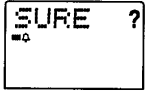
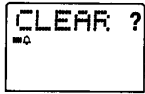
3. Use [Left Arrow] and [Right Arrow] to change the displayed function until EDIT ? appears, and then press [Enter] to display the editing screen.
 - When adding the name of an individual under a company name in the Telememo Business Mode, select INPUT ? and then press [Enter].
 - The flashing cursor indicates the current input position.
4. Use [Left Arrow] and [Right Arrow] to move the cursor around the display. Use [Left Arrow] and [Right Arrow] to change the character at the cursor position. Use [Enter] to move from one field to another.
 - See "8-4 Inputting Text and Numbers" for details on how to input data.
5. After you finish editing all the data you want, press [Enter] to store it.
 - The SORT message appears on the display for a few moments as the watch sorts the data.
 - If you input all spaces for the company name or all hyphens (or spaces) for the main telephone number of a Telememo Business Mode company that contains the name of one or more individuals, the company name will automatically change to "??????".

8-8 Deleting Telememo Data

Use the following procedure to delete a specific Telememo data item. This procedure deletes all the data in the data item. You can use this procedure to delete Telememo Business, Private, Play, and Personal Mode data.

To delete Telememo data

1. Enter the Telememo Mode where you want to delete data, and display the data item.
- Use the procedures described under "8-6 Recalling Telememo Data" to display the data item you want.



2. Hold down for a few seconds until the function select screen appears.
3. Use and to change the displayed function until CLEAR? appears, and then press .
4. Press to delete the item or to abort the operation without deleting anything.
- The SORT message appears on the display for a few moments as the watch sorts the data.
- You cannot delete a company name as long as there is any data stored under that company name.

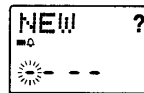
8-9 Secret Function

The Secret Function lets you register a numeric 4-digit password to create a secret Personal Mode area to protect your Telememo Personal Mode data and keep it private. Even after you register a password, you can still store, recall, and edit data in the normal (non-secret) Personal Mode.

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- Once you access the secret Personal Mode, you can input, recall, edit, and delete data just as you do in the normal (non-secret) Telememo Personal Mode.

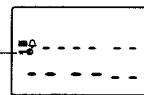
To register a new password



1. In the Telememo Personal Mode, press .
- NEW? indicates that this is a new password (no password is registered yet).
2. Input the numbers that you want to use as a password.

- See the procedure under "8-4 Inputting Text and Numbers" for information on how to input numbers.
- The password input screen is a number field, so only numbers can be input.
- Make sure you remember your password. If you forget it, you will have to delete all data in the secret memory area before you can register a new one.

Secret indicator



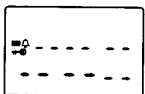
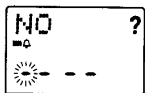
3. Press to register the password and enter the secret Personal Mode.
- You must input all four digits. If any digit still has a hyphen instead of a number when you press , the watch will return to the Personal Mode without registering the password.

- To exit the secret Personal Mode and return to the normal Personal Mode, press .

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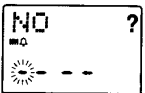
- The watch automatically exits the secret Personal Mode and returns to the Timekeeping Mode if you do not perform any operation for about two or three minutes.

To enter the secret Personal Mode



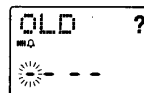
1. In the Telememo Personal Mode, press .
- NO? (number?) indicates that a password is required (a password is registered already).
2. Input the 4-digit password, and then press .
- If the password you input does not match the registered password, the message ERROR! appears for about one second and the password input screen reappears.
- To return to the normal Personal Mode, press .

To change the password



1. In the Telememo Personal Mode, press to display the password input screen.
2. Hold down for a few seconds until the function select screen appears.
- The function select screen lets you select between CHANGE? and CLEAR?.
3. Use and to change the displayed function until CHANGE? appears, and then press .

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4. Input the existing (old) password and press .
- If the password you input does not match the registered password, the message ERROR! appears for about one second and the old password input screen reappears.

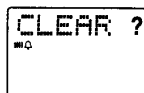
5. Input the new password you want to change to and press to register it and enter the secret Personal Mode.
- See the procedure under "8-4 Inputting Text and Numbers" for information on how to input numbers.
- You must input all four digits. If any digit still has a hyphen instead of a number, the watch will return to the Personal Mode without registering the password.

To delete the password

Warning!

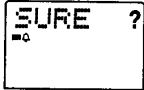
Deleting the password causes all data in the secret Personal Mode to be deleted too.

1. In the Telememo Personal Mode, press to display the password input screen.
2. Hold down for a few seconds until the function select screen appears.



3. Use and to change the displayed function until CLEAR? appears, and then press .

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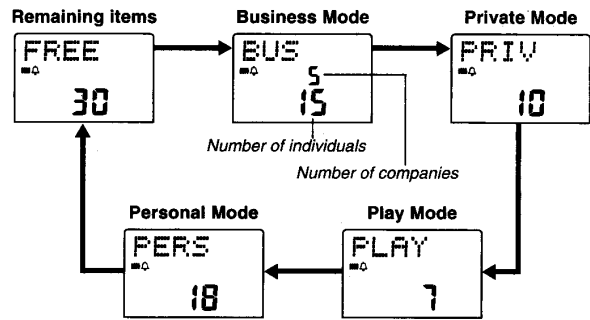
- Press to delete the password or to abort the operation without deleting anything.
- Now you can register a new password using the procedure under "To register a new password" on page E-33.
- To return to the normal Personal Mode, press .

8-10 Checking the Memory Status

Use the following procedure to check how many data items are contained in each Telememo mode, and how many data items remain.

To check the memory status

- In any Telememo Mode, hold down for a few seconds until the function select screen appears.
- Use and to change the displayed function until MEMORY? appears, and then press .



- The screen contents change sequentially as shown above.
- The remaining items value shows how many standard size items (page E-43) can be input into remaining memory.
- Press to stop the memory status display and return to the Timekeeping Mode, or to go to the mode you entered in step 1.
- The memory status display stops and the watch returns to the Timekeeping Mode automatically if you do not perform any operation for about two or three minutes.

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9 Specifications

Accuracy at normal temperature: ±15 seconds a month

Timekeeping Mode: Hour, minutes, seconds, pm (P), year, month, date, day of the week

Time system: Switchable between 12-hour and 24-hour formats

Calendar system: Auto-calendar pre-programmed from the year 1995 to 2039

Other: Standard Time/Daylight Saving Time

Alarm Mode: 5 multi-function alarms, hourly time signal

Countdown Alarm Mode

Measuring unit: 1 second

Input range: from 1 minute to 24 hours

Other: Auto repeat function

Stopwatch Mode

Measuring unit: 1/100 of a second

Measuring capacity: 23 hours, 59 minutes, 59.99 seconds

Measuring modes: Elapsed time, split time, two finishes

Telememo Modes

Business: company name, main telephone number, name, numbers (two numbers, 4 types), memo

Private: name, numbers (two numbers, 4 types), memo

Play: name, numbers (two numbers, 2 types), memo

Personal: preset types (13 built in), title, two numbers

Memory Capacity: 100 data items, each with 8-character name and 12-digit number

Other: Auto Sort, Index Search (Private and Play Modes), Secret function (Personal Mode)

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Other: Backlight (electro-luminescent panel)

Battery : One lithium battery (Type: CR2016)

Approximately 2 years on type CR2016 (assuming alarm operation 20 sec./day and one backlight operation 2 sec./day)

The above battery life is shortened by backlight operation as shown below.

- 5 seconds backlight operation per day: approximately 19 months
- 10 seconds backlight operation per day: approximately 15 months
- 15 seconds backlight operation per day: approximately 12 months
- 20 seconds backlight operation per day: approximately 10 months

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About the low battery warning



The message **BATT** flashes on the display whenever battery power is low. Have the battery of the watch replaced as soon as possible after this message appears. Using the watch while the battery is low can result in abnormal operation.

Important!

- In order to protect data stored in memory, you will not be able to recall existing data or input new data while the **BATT** message is flashing on the display. Also, the alarm, hourly time signal, countdown timer alarm, backlight, and other functions do not operate.

ALWAYS LEAVE BATTERY REPLACEMENT UP TO THE DEALER WHERE YOU BOUGHT THE WATCH OR TO AN AUTHORIZED CASIO DISTRIBUTOR. BE SURE TO SHOW THE FOLLOWING INFORMATION TO THE PERSON REPLACING THE BATTERY.

Attention dealer or CASIO distributor

Be sure to use the following procedure when replacing the battery.

1. Open and remove the back cover.
- If **∞CLOSE** appears on the display when you open the back cover, replace the back cover. Wait for a few minutes and try again.
2. Remove the battery holder.
3. Remove the old battery and load a new one.
4. Replace the battery holder.

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5. Touch the AC contact and the battery (+) side with metallic tweezers.
- The AC (all clear) operation **DOES NOT** delete data stored in memory.
6. Close the back cover.
- The message **∞WFIT** appears on the display about 15 seconds after you perform the AC (all clear) operation in step 5 of the above procedure, indicating that the watch is performing an internal self-check for data errors.
- The **∞WFIT** indicator remains on the display while the watch performs an internal check of data in memory. All watch functions are disabled while the **∞WFIT** message is on the display.

Data Errors

Strong electrostatic charge, severe impact, temperature or humidity extremes, or any other severe conditions can cause data stored in memory to become corrupted.

If a data error occurs, the message **ERROR!** appears for about one second when you enter any of the Telememo modes (Business, Private, Play, Personal) followed by a data error screen. The text field area of the data error screen shows the name of the data item causing the problem, but the number field area is blank.

There are two ways to deal with a data error: you can resort the data in memory (which often clears up the problem), or you can delete the data item causing the problem (if the sort option does not work).

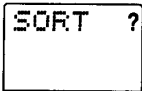
Try resorting the data first. If the **ERROR!** message appears again after the sort is complete, you probably have to delete the data item.

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Note

If the data error is being caused by the password of the secret Personal Mode, enter the secret Personal Mode. When you do, the new password registration screen appears on the display. Perform the procedure under "To register a new password" on page E-33 to register a different password.

To resort memory data



1. While the data error screen is on the display, hold down **[>]** for about one or two seconds.
 - Either **SORT?** or **CLEAR?** appears on the display.
2. Use **[<]** and **[>]** to display **SORT?**.
- With some types of errors, only the **CLEAR?** message appears (**SORT?** does not appear when you press **[<]** or **[>]**), which means that your only option is to delete the item. See "To delete a problem data item" below for details on how to do this.
3. Press **[<]**.
 - The message **SORT** appears to indicate that data is being resorted.
 - If the problem is successfully resolved by the resort operation (there is no more problem data in memory), the watch returns to its normal display at this point.
 - If resorting did not solve the problem, the **ERROR!** message appears again. If this happens, try resorting again until **ERROR!** no longer appears. If you keep getting the **ERROR!** message, it probably means that the problem data has to be deleted using the procedure described below.

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To delete a problem data item

1. While the data error screen is on the display, hold down **[>]** for about one or two seconds.
 - Either **SORT?** or **CLEAR?** appears on the display.
2. Use **[<]** and **[>]** to display **CLEAR?** and then press **[<]**.
 - The message **SURE?** appears to confirm that you really want to delete the data item.
3. Press **[<]** to delete the data item or any other icon to abort the delete operation without deleting anything.
 - The data is deleted and the **SORT** appears to indicate that the remaining data is being sorted.
 - If the problem is successfully resolved by the delete operation (there is no more problem data in memory), the watch returns to its normal display at this point.
 - If there is more problem data in memory, the **ERROR!** message appears again. If this happens, keeping deleting data until **ERROR!** no longer appears.

Standard Size Data Items

The watch's internal memory capacity is expressed as the number of data items that can be stored. The following is the content of a standard size data item that is used to express memory capacity.

Name field: 8-characters
One number field: 12 digits

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WARRANTY CERTIFICATE

The following conditions comprising the prerequisites and scope of this warranty do not affect our contractual warranty liability. This product is guaranteed in accordance with the following conditions:

1. In conformity with conditions 2 through 5 described below, the manufacturer will repair free of charge damage to or defects of the product that have been proved to have arisen due to a production fault, if notice of such is given immediately upon discovery of the damage or defect, and within 12 months of deliver to the end user. This warranty does not extend to batteries or fragile parts such as glass or plastics. This warranty does not apply to minor deviations from standard quality that do not affect the value and serviceability of the product, nor to damage caused by the affects of chemicals, electro-chemicals, or water, nor to wear generally caused by abnormal environmental conditions.
2. CASIO may select either to repair damage parts or replace them with undamaged parts free of charge. Repairs at the place of installation can be claimed only for larger appliances in stationary operation (fixed installation). Other products for which claims are made under the present warranty are to be handed over to a local CASIO Distributor or the CASIO Service Center. The product must be accompanied by the purchase receipt along with details concerning date(s) of purchase and/or delivery. Replaced parts become property of the manufacturer.

3. The claim for warranty services shall become void if repairs to or interference with the product have been performed by parties not expressly authorized to perform such work, or if the product has been fitted with additional parts and accessories that are not designed for use with the product.
4. Performance of repair or replacement work under this warranty constitutes neither an extension of the warranty period nor the commencement of a new warranty period. The warranty period for parts installed for repair or replacement ends with the warranty period for the entire product.
5. Any other claims, including but not limited to those for compensation for losses arising beyond the product, insofar as such liability is not expressly provided by law, are excluded.

CASIO Computer Co. G.m.b.H. Deutschland
Bornbarch 10
22848 Norderstedt

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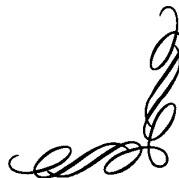
W-3



Character List

1	(space)	10	I	19	R	28	O	37	S
2	A	11	J	20	S	29	1	38	-
3	B	12	K	21	T	30	2	39	.
4	C	13	L	22	U	31	3	40	/
5	D	14	M	23	V	32	4	41	:
6	E	15	N	24	W	33	5	42	'
7	F	16	O	25	X	34	6	43	@*
8	G	17	P	26	Y	35	7	44	#
9	H	18	Q	27	Z	36	8	45	*

* @ mark / @ Marke

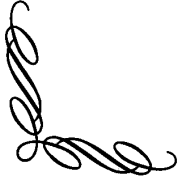


L

L-1



Memory Capacity Table



L-2

Memory Capacity Table

Number of Characters Per Field			Number of Data Items *1	Memory Capacity *2
Name Characters	Numbers	Memo		
8	--	--	0.5	200
8	12x1	--	1.0	100
16	--	--	1.0	100
8	12x2	--	1.5	66
24	--	--	1.5	66
8	12x3	--	2.0	50
32	--	--	2.0	50
8	12x4	--	2.5	40
8	12x5	--	3.0	33
8	12x6	--	3.5	28
8	12x7	--	4.0	25
8	12x8	--	4.5	22
8	12x8	8	5.0	20
8	12x8	16	5.5	18
8	12x8	24	6.0	16
8	12x8	32	6.5	15
16	12x8	32	7.0	14
24	12x8	32	7.5	13
32	12x8	32	8.0	12

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- *1 8 text characters and 12 numbers are equivalent to one data item.
- *2 Maximum number of data items that can be stored in memory if all data items are the same size.
- *1 8 Textzeichen und 12 Zahlen entsprechen einem Datensatz.
- *2 Maximale Anzahl speicherbarer Datensätze, wenn alle Datensätze dieselbe Größe haben.

Memo

L-4