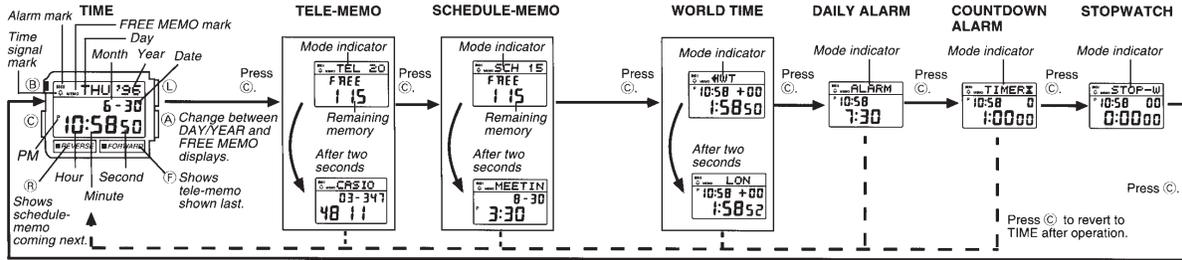


OPERATION CHART:MODULE QW-1479

READING THE DISPLAY

- In any mode, press (L) to illuminate the display for about 1 second. The watch can be set so that the backlight flashes whenever an alarm sounds.



ABOUT EEPROM

This watch is equipped with EEPROM (electrically erasable programmable read-only memory) that retains the following data even when the battery goes dead.

- Free Memo Data
- Telememo Data (Names, telephone numbers)
- Schedule Memo Data (Messages, months, days, times)
- World Time (Daylight saving time setting)

Important!

The following conditions can cause data to be corrupted or completely lost.

- Malfunction, repair, or whenever the case of the watch is opened.
- Strong electrostatic charge or impact.
- Extreme temperatures or humidity levels.
- Using the wrong battery replacement procedure.

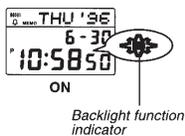
Always be sure to make backup copies of important data. For your convenience a data record sheet is included at the back of this manual.

ABOUT THE BACKLIGHT

When you switch the backlight function on, the backlight of the watch flashes whenever an alarm is sounding, except when you are using the Countdown Alarm's auto-repeat function.

- The backlight of this watch employs an electro-luminescent (EL) light, which loses its illuminating power after very long term use.
- Frequent use of the backlight shortens the battery life.

To switch the backlight function on and off

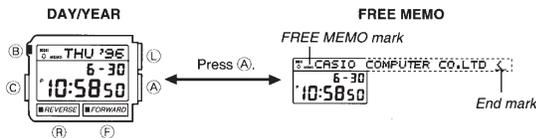


In the Timekeeping Mode, hold down (A) for one or two seconds to switch the backlight function on and off. When you switch the backlight function on, an indicator appears on the display as shown.

- The backlight function indicator remains on the display in all modes.
- Pressing (L) at any time illuminates the display for about 1 second, regardless of the backlight's on/off setting.

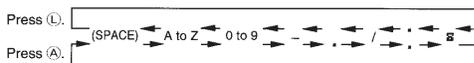
OPERATING FREE MEMO

A maximum of 21 characters can be memorized. Press (A) in the TIME display to change between DAY/YEAR and FREE MEMO displays.



Memorizing data into free memo

- Press (A) in the TIME display to change to the FREE MEMO display. When the data is in memory, the contents appear. When not in memory, "MEMO" appears.
- Press (B) to memorize new data.
 - To clear all the contents of FREE MEMO, press both (A) and (L) simultaneously.
- Press (A) or (L) to enter a character at cursor position. Keep pressed for high speed movement.



- Press (C) to shift the cursor. Keep pressed for high speed movement.
- Press (B) to complete memorizing and FREE MEMO mark appears.

Scrolling the display

When the data is entered over 7 characters, the display will continue to scroll from right to left to show all the contents.

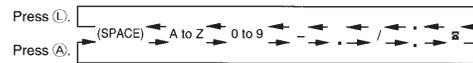
OPERATING TELE-MEMO

A maximum of 150* records of 8 letters and 12 numerals can be stored in memory. Press (F) or (R) to search the memory contents. Keep pressed for high speed search. Used pages are automatically stored in alphabetical order.

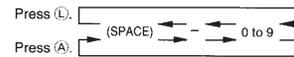
* The Telememo Mode shares memory with the Schedule Memo Mode. This means that the maximum number of Telememo Mode entries you can store is reduced each time you store data in the Schedule Memo Mode.

Memorizing new numbers

- Press (F) or (R) in the normal data area to search a blank page or numbers to be revised.
- Press (B) to enter new letters and numerals.
- A letter can be entered at cursor position by pressing (A) or (L). The cursor can be shifted by pressing (C). Keep pressed for high speed movement.



- A number can be entered at the cursor position by pressing (A) or (L). The cursor can be shifted by pressing (C). Keep pressed for high speed movement.



To input more names and numbers, use (F) and (R) to display a blank page or the page whose data you want to edit.

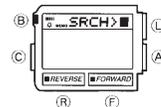
* To clear all the contents of a page, press both (A) and (L) simultaneously before memorizing letters.

- Press (B) to complete memorizing.

Scrolling the display

When the record is entered over 7 characters, the display will scroll from right to left to show the remainder of the characters.

To use initial character search to recall specific data



- While in the Telememo Mode, press (A) to display the initial character search display.
- Press (F) or (R) to input the name of the data you want.
 - You can input only one character.

- After inputting the search data, press (A) to start the search.

- The first name that matches your specification appears on the display.
- If none of the data in memory matches your input, the message "NO DATA" appears on the display. Press (B) to return to the Telememo Mode.

OPERATING SCHEDULE-MEMO



A maximum of 150* records of 11-character message and date/time can be memorized. Beeper sounds for 20 seconds at scheduled time.

* Memory is shared between the Telememo and Schedule Memo Modes. This means that the maximum number of Schedule Memo Mode entries you can store is reduced each time you store data in the Telememo Mode.

- Note that the Schedule-Memo Alarm dates you set must be within one year of the current Time Display date. This means that if today's date is June 1, you can set a Schedule-Memo Alarm date up to May 31 the following year. Be sure that you always specify a date for the Schedule-Memo Alarm. If you leave the date as ----, the Schedule-Memo Alarm will not be stored in memory.

About Schedule Memo Mode memory management...

Schedule Memo Mode data items are automatically sorted into chronological order. When the current date changes at midnight each day, Schedule Memo items with dates before the new date are automatically deleted (except for the record with ANV or BIRTH described).

Searching schedule-memo

When the display is converted to this SCHEDULE-MEMO, next schedule-memo will be shown. Press (F) to search the memory contents sequentially, and (R) to reverse.

Inputting schedule-memo

- Press (F) or (R) in SCHEDULE-MEMO to search a blank page or records to be revised.
- Press (B) to set new letters and numerals.
- To clear all the contents of a page, press both (A) and (L) simultaneously before memorizing letters.
- A number/letter can be entered at cursor position by pressing (A) or (L). The cursor can be shifted by pressing (C). Keep pressed for high speed movement.



7 types of preset message

This simplifies input because it lets you specify any of the following messages. The record with ANV or BIRTH are not erased, when it passes its date.

No.	Abbrev.	Contents	No.	Abbrev.	Contents
1	APPT	Appointment	5	TRAVEL	Travel
2	DOCTOR	Doctor	6	ANV	Anniversary
3	MEETING	Meeting	7	BIRTH	Birthday
4	TEL	Telephone			

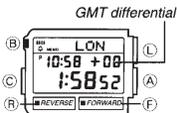
To input text for the optional message (11 characters), use steps 3 and 4 under "Memorizing data into free memo".

- Press (B) to complete memorizing.

Sound demonstration

Press and hold (A) in SCHEDULE-MEMO mode to sound beeper.

OPERATING WORLD TIME



The current time of any spot in the world (standard time of 24 time zones) can be shown by pressing (F) or (R) in WORLD TIME.

Standard time of zone displayed last appears first when mode is shifted from TIME to WORLD TIME.

- For full information on city codes, see the city code table.

Setting world time

When one of any local standard time is set, all other standard times are automatically set.

- Press (F) or (R) in WORLD TIME to select appropriate local time.
- Press (B) to set time.
- Press (C) to shift flashing digit(s). Digit(s) to be changed will flash.



- Each press of (A) advances flashing digits one by one, and (L) to reverse. Keep pressed to move quickly.
- The 12/24-hour format of the World Time matches the format you select in the Time Display.
- The seconds count of the World Time is synchronized with the seconds count in the Time Display.
- Press (B) to complete setting.

Changing to daylight saving time

Hold down (A) for a few seconds while in WORLD TIME to change to daylight saving time (+1 hour). The daylight saving time mark "♦" is shown on the display while this setting is in effect. Repeat this procedure to switch back from daylight saving time to standard time.

- Note that you cannot switch Greenwich Mean Time (GMT) between standard time and daylight saving time.

OPERATING DAILY ALARM

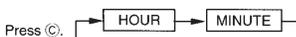
Beeper sounds for 20 seconds at preset time every day until cleared when daily alarm is set. Press any button to stop beeper. Signal sounds every hour on the hour if time signal is set.

Sound demonstration

Press and hold (A) in alarm mode to sound beeper.

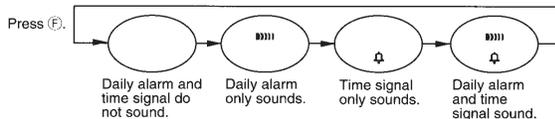
Setting daily alarm

- Press (B) to set new time.
- Press (C) to shift flashing digit(s). Digit(s) to be changed will flash.

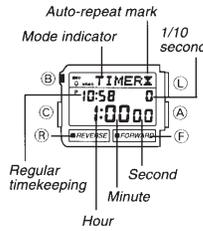


- Each press of (A) advances flashing digits one by one, and (L) to reverse. Keep pressed to move quickly.
- Press (B) to complete setting.
- Display automatically returns to initial daily alarm time if left unused for a few minutes.

On or off setting of daily alarm and time signal



OPERATING COUNTDOWN ALARM



Countdown can be set from 1 minute to 24 hours (display shows 0:00'00), and times to an accuracy of 1/10 second. Start/stop operation is possible by pressing (F), and is confirmed by a signal. (Stop the timer and then press (R) to reset the countdown time to its starting value.) When display reaches zero, beeper sounds for 10 seconds until any button is pressed.

Setting countdown time

- Press (B) to set new time.
- Each press of (F) selects auto-repeat or repeat function. The mark (x) indicates on setting of auto-repeat function.

- Press (C) to shift flashing digit(s). Digit(s) to be changed will flash.



- Each press of (A) advances flashing digits one by one, and (L) to reverse. Keep pressed to move quickly.
- Press (B) to complete setting.
- Display automatically returns to initial countdown timer if left unused for a few minutes.

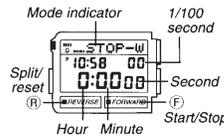
Auto-repeat function

Pre-entered time is retrieved and started again when display reaches zero.

Repeat function

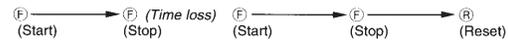
Pre-entered time is retrieved when display reaches zero.

OPERATING STOPWATCH

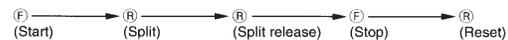


A signal confirms start/stop and split/reset operation. (Working range) Total elapsed time display is limited to 23 hours 59 minutes 59.99 seconds. For longer times reset and start again.

a) Net time measurement



b) Split time measurement

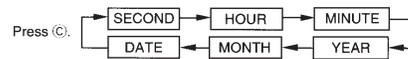


c) 1st-2nd place times



SETTING TIME AND DATE

- Press (A) in the TIME display to change to the DAY/YEAR display.
- Press (B) to set time and date.
- Press (A) on a time signal to correct seconds.
- Press (C) to shift flashing digit(s). Digit(s) to be changed will flash.



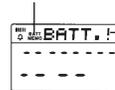
- Each press of (A) advances flashing digits one by one, and (L) to reverse. Keep pressed to move quickly.

- Press (F) to change between 12-hour and 24-hour formats.
- Year digits can be set up to the year 2039 by inputting last two digits.

- Press (B) to complete setting.
- Display automatically returns to TIME if left unused for a few minutes.

ABOUT THE LOW BATTERY WARNING

Power fade indicator



Power fade message

The indicator "BATT" will start to flash whenever battery power drops below a certain level. Once this starts, anytime you try to perform any operation that involves memory contents (data input, editing, deletion, recall), the message "BATT!" appears on the display and further operation becomes impossible. Be sure to have the battery replaced as soon as possible whenever the low battery warning appears.

REPLACING BATTERY

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.
5. Touch the AC contact and the battery (+) side with metallic tweezers.
6. Close the back cover.
- If display contrast does not appear normal about 15 seconds after you close the back cover, repeat the above operation.
- The WAIT indicator remains on the display while the watch performs an internal check of data in memory. This check may take as long as 12 minutes. Though you can change the time setting of the watch while the WAIT indicator is on the display, other operations are disabled.

Caution!

- Never open the back cover while the message "SORT" is on the display. Doing so will cause data to be deleted.

CITY CODE TABLE

Difference between GMT	City code	City	Other major city in same time zone
-11	---	---	PAGO PAGO
-10	HNL	HONOLULU	PAPEETE
-09	ANC	ANCHORAGE	NOME
-08	LAX	LOS ANGELES	SAN FRANCISCO, LAS VEGAS, VANCOUVER, SEATTLE, DAWSON CITY
-07	DEN	DENVER	EL PASO, EDMONTON
-06	CHI	CHICAGO	HOUSTON, DALLAS, NEW ORLEANS, MEXICO CITY, WINNIPEG
-05	NYC	NEW YORK	MONTREAL, DETROIT, MIAMI, BOSTON, PANAMA CITY, HAVANA, LIMA, BOGOTA
-04	CCS	CARACAS	LA PAZ, SANTIAGO, PORT OF SPAIN
-03	RIO	RIO DE JANEIRO	SAO PAULO, BUENOS AIRES, BRASILIA, MONTEVIDEO
-02	---	---	
-01	---	---	AZORES, PRAIA
+00	GMT	---	
+00	LON	LONDON	DUBLIN, CASABLANCA, DAKAR, ABIDJAN
+01	PAR	PARIS	MILAN, ROME, MADRID, AMSTERDAM, ALGIERS, HAMBURG, FRANKFURT, VIENNA, STOCKHOLM, BERLIN, LISBON
+02	CAI	CAIRO	ATHENS, HELSINKI, ISTANBUL, BEIRUT, DAMASCUS, CAPE TOWN
+03	JED	JEDDAH	KUWAIT, RIYADH, ADEN, ADDIS ABABA, NAIROBI
+04	DXB	DUBAI	ABU DHABI, MUSCAT
+05	KHI	KARACHI	
+06	DAC	DHAKA	
+07	BKK	BANGKOK	JAKARTA, PHNOM-PENH, HANOI, VIENTIANE
+08	HKG	HONG KONG	SINGAPORE, KUALA LUMPUR, BEIJING, TAIPEI, MANILA, PERTH, ULAN BATOR
+09	TYO	TOKYO	SEOUL, PYONGYANG
+10	SYD	SYDNEY	MELBOURNE, GUAM, RABAU
+11	NOU	NOUMEA	PORT VILA
+12	WLG	WELLINGTON	CHRISTCHURCH, SUVA, NAURU ISLAND