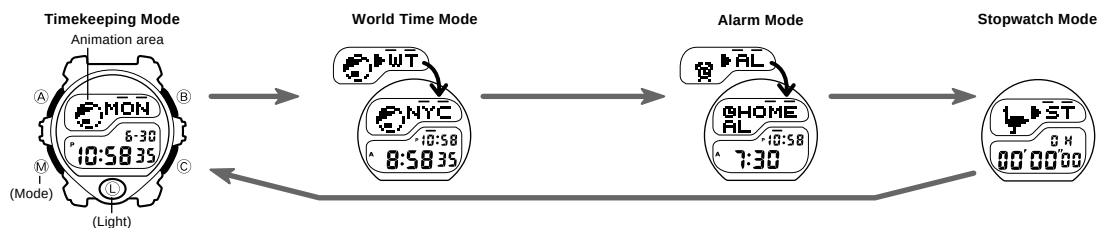


2. OPERATION CHART : QW-1805

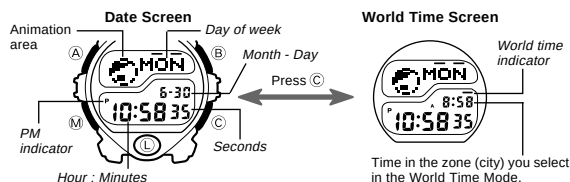
GENERAL GUIDE

- If the digital display of your watch is continually changing, see "AUTO DISPLAY FUNCTION" for information on how to stop it.
- Press **M** to change from mode to mode.
- Press **L** in any mode to illuminate the display for about three seconds.
- The animation area shows different animated characters and graphics, depending on the mode and the operation being performed.



TIMEKEEPING MODE

Use the Timekeeping Mode to set the current time and date. You can view the current time in the zone (city) you select in the World Time Mode.

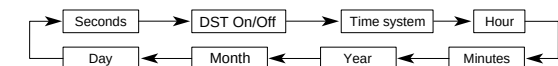


- Pressing **B** or **L** while in the Timekeeping Mode causes an animated figure to appear in the animation area of the display. A different figure appears for each day of the week. See "About animated figures" for details.

To set the time and date

1. Hold down **A** while in the Timekeeping Mode until the seconds digits start to flash on the display. The seconds flash because they are *selected*.
 - At this time, the time system indicator and DST on/off indicator appear.
2. Press **M** to change the selection in the following sequence.
 - See "To switch between Standard Time and Daylight Saving Time" for details on DST On/Off setting.

DST on/off indicator



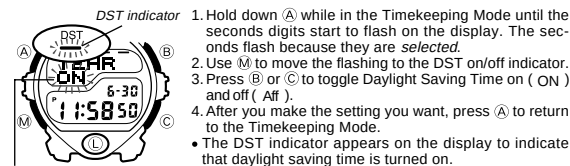
3. While the seconds digits are selected (flashing), press **B** or **C** to reset the seconds to 00.
 - If you press **B** or **C** while the seconds count is in the range of 30 to 59, the seconds are reset to 00 and 1 is added to the minutes. If the seconds count is in the range of 00 to 29, the minutes count is unchanged.
4. While hour, minutes, year, month, or day is selected (flashing), press **C** to increase the number or **B** to decrease it. While the time system indicator is selected (flashing), press **B** or **C** to switch between the 12-hour (12:HR) and 24-hour (24:HR) formats.
 - Holding down either button changes the current selection at high speed.
 - With the 12-hour format, the **P** (PM) indicator appears to the left of the hour digits for times in the range of noon to 11:59 pm and the **A** (AM) indicator appears to the left of the hour digits for times in the range of midnight to 11:59 am.
 - With the 24-hour format, times are indicated in the range of 00:00 to 23:59, without any indicator.
5. After you set the time and date, press **A** to return to the Timekeeping Mode.
 - The day of the week is automatically set in accordance with the date.
 - The date can be set within the range of January 1, 1995 to December 31, 2039.
 - If you do not operate any button for a few minutes while a selection is flashing, the flashing stops and the watch goes back to the Timekeeping Mode automatically.

To switch between Standard Time and Daylight Saving Time

Daylight saving time (DST), which is also sometimes called "summer time," advances the time for one hour, as is the custom in some areas during the summer. Remember that not all countries or even local areas use Daylight Saving Time.

1. Hold down **A** while in the Timekeeping Mode until the seconds digits start to flash on the display. The seconds flash because they are *selected*.
2. Use **M** to move the flashing to the DST on/off indicator.
3. Press **B** or **C** to toggle Daylight Saving Time on (ON) and off (OFF).
4. After you make the setting you want, press **A** to return to the Timekeeping Mode.
 - The DST indicator appears on the display to indicate that daylight saving time is turned on.

DST on/off indicator



About the backlight

- In any mode, press **L** to illuminate the display for about three seconds.
- In the Timekeeping Mode, animated figures appear in the animation area whenever the backlight is turned on.
- The backlight of the watch employs an electro-luminescent (EL) light, which loses illuminating power after very long use.
- The illumination provided by the backlight may be hard to see when viewed under direct sunlight.
- The watch will emit an audible sound whenever the display is illuminated. This is caused by a transistor that vibrates when the EL panel lights up. It does not indicate malfunction of the watch.
- The backlight automatically turns off whenever an alarm sounds.

About animated figures

The following are the animated figures that appear in each mode.

• Rotating Globe

This figure appears after you have been in the Timekeeping Mode or World Time Mode. Occasionally an airplane or a flying saucer appears.



• Dances of the World

Dancing figures appear whenever you press **B** or **L** in the Timekeeping Mode. There are two dances for each day of the week. However, the dance for another day of the week may appear.



• Ostrich

The ostrich appears whenever you are in the Stopwatch Mode, and runs while a stopwatch timing operation is being performed.



• Alarm Clock

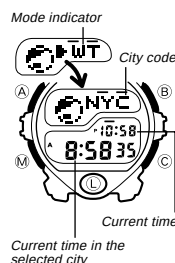
This figure appears whenever an alarm time is reached in any mode except the Stopwatch Mode.



WORLD TIME MODE

The World Time Mode shows the current time in 40 cities (27 time zones) around the world.

- The time settings of the Timekeeping Mode and the World Time Mode are independent, so you must make separate settings for each. Note, however, that the seconds counts for both modes are synchronized with each other.
- Whenever you change the time setting for any city in the World Time Mode, the settings of all other cities are changed accordingly.
- The 12-hour/24-hour format of the World Time matches the format you select in the Timekeeping Mode.
- The time zone that is displayed when you leave the World Time Mode will still be displayed when you enter the World Time Mode again.



To view the time in another zone

- While in the World Time Mode, press **C** to scroll forward through the city codes (time zones) and **B** to scroll back.
- For full information on city codes, see the "CITY CODE TABLE" at the back of this manual.
- Holding down either button scrolls through the city codes at high speed.

To set the World Time

1. In the World Time Mode, press **B** or **C** to scroll through the time zones and find the one you want.
2. Hold down **A** until the DST On/Off setting starts to flash on the display. The setting flashes because it is *selected*.
 - The DST indicator flashes along with the current on/off setting.

3. Press **M** to change the selection in the following sequence.

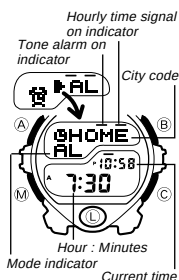


4. While DST On/Off setting is selected (flashing), press **B** or **C** toggle Daylight Saving Time on (ON) and off (OFF). While the hour or minutes digits are selected, press **C** to increase the setting and **B** to decrease it.
 - Holding down either button while the hour or minutes digits are selected changes the setting at high speed.
5. After you set the time, press **A** to return to the World Time Mode.
 - If you do not operate any button for a few minutes while a selection is flashing, the flashing stops and the watch goes back to the World Time Mode automatically.

To switch between standard time and daylight saving time

1. In the World Time Mode, display the time zone whose standard/daylight saving time setting you want to change.
2. You can make separate daylight saving time settings for each individual city.
3. Hold down (A) until the DST On/Off setting starts to flash on the display. The setting flashes because it is *selected*.
4. The DST indicator flashes along with the current on/ off setting.
5. Press (B) or (C) to toggle Daylight Saving Time on (ON) and off (Off).
6. After you are finished making the setting you want, press (A) to return to the World Time Mode.
7. The DST indicator is on the display whenever you display a city for which daylight saving time is turned on.

ALARM MODE



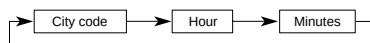
When the Daily Alarm is turned on, the alarm sounds for 20 seconds at the preset time each day. Press any button to stop the alarm after it starts to sound.

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

- The Daily Alarm and the Hourly Time Signal can be set to sound in accordance with the Timekeeping Mode time or the time of one of the World Time Mode city codes.
- In addition to the alarm buzzer sounding, you can also set the EL backlight to flash when an alarm time is reached.
- The term "current time" as used in this manual refers to the time kept in the Timekeeping Mode.
- The alarm does not sound if the alarm time is reached while you are making watch settings (while digits or settings are flashing on the display).

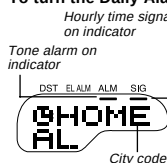
To set the alarm time

1. Hold down (A) while on the Alarm Mode until the city code starts to flash on the display. The city code flashes because it is *selected*.
2. Press (M) to change the selection in the following sequence.



3. While any setting is selected, press (C) to advance it, or (B) to move it back. Holding down either button changes the setting at high speed.
- If you want the Daily Alarm to operate in accordance with the time kept in the Timekeeping Mode, select HOME for the city code. Otherwise, select the city code for any other city you want to select. See the "CITY CODE TABLE" at the back of this manual for a full list of city codes. Note that the HOME setting is not included in the "CITY CODE TABLE". When scrolling through city codes on the display, HOME is located between the ADL and YVR codes.
- The format (12-hour and 24-hour) of the alarm time matches the format you select for normal timekeeping.
- When setting the alarm time using the 12-hour format, take care to set the time correctly as morning (A) or afternoon (P).
4. After you set the alarm time, press (A) to return to the Alarm Mode.
- If you do not operate any button for a few minutes while a selection is flashing, the flashing stops and the watch goes back to the Alarm Mode automatically.

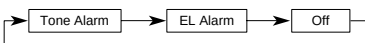
To turn the Daily Alarm and Hourly Time Signal on and off



In the Alarm Mode, use (B) to turn the Daily Alarm on and off, and to select the alarm type. Use (C) to toggle the Hourly Time Signal on and off.

- Indicators as shown in the nearby illustration appear on the display to indicate that the EL alarm (EL ALM), tone alarm (ALM), or Hourly Time Signal (SIG) is turned on.
- The Hourly Time Signal sounds in accordance with the time for the city code for which you set the alarm.

- Each press of (B) cycles through the alarm settings as shown below.

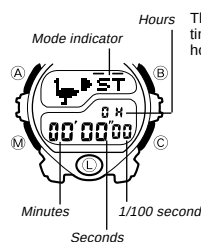


- When the EL alarm is turned on, the alarm tone sounds and the backlight flashes whenever the alarm time is reached. Turning on the tone alarm sounds the alarm tone only, without the flashing backlight.

To test the alarm

Hold down (B) while in the Alarm Mode to sound the alarm.

STOPWATCH MODE



The Stopwatch Mode lets you measure 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



AUTO DISPLAY FUNCTION



The Auto Display function of this watch continually changes the contents of the digital display. Note that you cannot use any of the watch's other functions (except for backlight) while the Auto Display function is operating.

To turning the Auto Display Off

Hold down (B) for about three seconds until the watch beeps.

To turning the Auto Display On

Hold down (B) for about three seconds in the Timekeeping Mode until the watch beeps.

Note

The Auto Display function cannot be performed while you are making settings (i.e. while digits or other settings are flashing on the display).

CITY CODE TABLE

City Code	City	GMT differential
ADL	ADELAIDE	+9.5
ANC	ANCHORAGE	-09
BCN	BARCELONA	+01
BKK	BANGKOK	+07
CAI	CAIRO	+02
CCS	CARACAS	-04
CHI	CHICAGO	-06
DAC	DHAKA	+06
DEL	DELHI	+5.5
DEN	DENVER	-07
DXB	DUBAI	+04
GUM	GUAM	+10
HKG	HONG KONG	+08
HNL	HONOLULU	-10
IST	ISTANBUL	+02
JED	JEDDAH	+03
JRS	JERUSALEM	+02
KBL	KABUL	+4.5
KHI	KARACHI	+05
LAX	LOS ANGELES	-08
LON	LONDON	+00
MIA	MIAMI	-05
MLE	MALE	+05
NOU	NOUMEA	+11
NYC	NEW YORK	-05
PAR	PARIS	+01
PPG	PAGO PAGO	-11
PPT	PAPEETE	-10
RGN	YANGON	+6.5
RIO	RIO DE JANEIRO	-03
ROM	ROME	+01
SEL	SEOUL	+09
SFO	SAN FRANCISCO	-08
SIN	SINGAPORE	+08
SPN	SAIPAN	+10
SYD	SYDNEY	+10
THR	TEHRAN	+3.5
TYO	TOKYO	+09
WLG	WELLINGTON	+12
YVR	VANCOUVER	-08

*Based on data as of September 1997.