



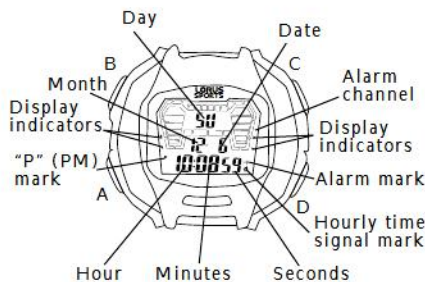
INSTRUCTION MANUAL

CAL. W110 (RBQ SERIES)
CAL. W111 (RB8 SERIES)

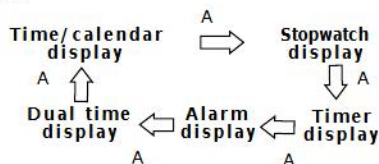
■ CHARACTERISTICS

- Time/calendar display:** Hour, minutes, seconds, month, date and day of the week.
 - **Automatic calendar:** Calendar adjusts automatically for odd and even months except February of leap years.
 - **Time indication:** Changeover between 12- and 24-hour indications is possible.
- Stopwatch:** Measures up to 30 hours with 1/1,000 second readout. Split time measurement is available.
- Countdown timer:** Up to 99 hours and 59 minutes can be set in minutes.
- 3-channel alarm:** The alarm can be set to ring at three different times a day.
 - **Hourly time signal:** Can be set to ring every hour on the hour.
- Dual time:** Time of a different time zone can be set and displayed.
- Illuminating light:** The light illuminates the display in the dark.

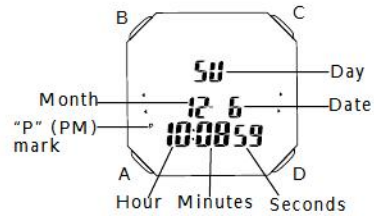
■ BUTTONS AND DISPLAYS



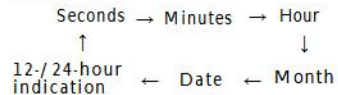
The selection of the display can be made in the following order with each press of button "A".



■ HOW TO SET THE TIME/CALENDAR



- Press button "A" to show the time/calendar display.
- Press button "B" to show the time/calendar setting display. The second digits start flashing.
- Selection of the digits to be adjusted (flashing) is made in the following order by pressing button "C".



- Press button "D" to set the flashing digits. One digit is advanced with each press of button "D". Digits except seconds and 12-/24-hour indication move quickly by keeping button "D" pressed.
- After all the adjustments are completed, press button "B" to return to the time/calendar display.

Seconds setting

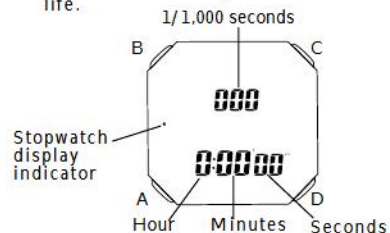
When the seconds digits are flashing, press button "D" in accordance with a time signal. The seconds are reset to "00" and start immediately. When the seconds count any number from "30" to "59" and button "D" is pressed, one minute is added and the seconds are immediately reset to "00".

Notes:

- When setting the hour digits in the 12-hour indication, check that AM/PM is properly set. Only "P" (PM) mark is displayed and there is no indication for the AM setting. In the 24-hour indication, "24" (24-hour indication) mark is displayed.
- If the watch is left untouched in the time/calendar setting display with the digits flashing, it will automatically return to the time/calendar display in 2 minutes.

■ HOW TO USE THE STOPWATCH

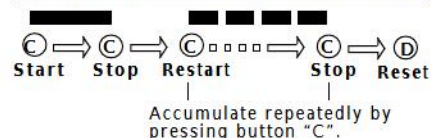
- The stopwatch can measure up to 30 hours in 1/1,000 seconds.
 - * Even if the stopwatch display is changed to another while the measurement is in progress, it continues counting properly. After the stopwatch is used, however, be sure to reset it as the battery energy is consumed enormously to shorten the battery life.



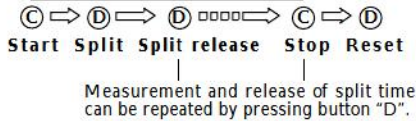
Stopwatch Operation

Press button "A" to show the stopwatch display.

Accumulated elapsed time measurement



Split time measurement

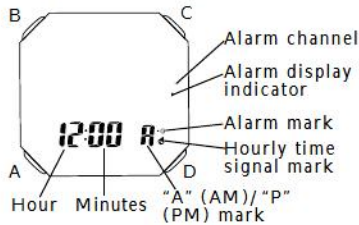


Measurement between two competitors



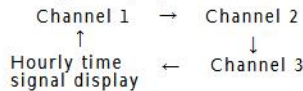
HOW TO SET THE 3-CHANNEL ALARM

- The alarm can be set to ring at three different times a day. Set the three alarm channels one by one to desired alarm times.

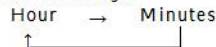


- Press button "A" to show the alarm display.
- Selection of the alarm channel to be set is made in the following order by pressing button "C".

* The alarm cannot be set in the hourly time signal display.



- Press button "B" to show the alarm setting display. The hour digits (and "A"/"P" mark if the time is set in the 12-hour indication) start flashing.
- Press button "C" to select the digits to be adjusted (flashing).



- Press button "D" to set the digits. One digit is advanced with each press of the button. The digits move quickly by keeping the button pressed.
- After all the adjustments are completed, press button "B" to return to the alarm display.

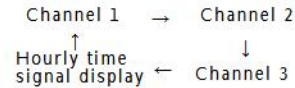
* To set more than one alarm channel, follow the procedure above starting from the step "2".

Notes:

- When the time function is displayed in the 24-hour indication, the alarm is also displayed in the 24-hour indication.
- When setting the hour digits in the 12-hour indication, check that "A" (AM)/"P" (PM) mark is correctly set. In the 24-hour indication, "24" (24-hour indication) mark is displayed.
- By pressing button "D" to set the digits in the alarm setting display, the alarm mark is displayed and the alarm is automatically engaged.
- If the watch is left untouched in the alarm setting display with the digits flashing, it will automatically return to the alarm display in 2 minutes.

Engagement/disengagement of the alarm and hourly time signal

- In the alarm display, selection of the alarm channel or hourly time signal to be engaged or disengaged is made in the following order by pressing button "C".



- [Alarm and hourly time signal engagement/disengagement]**

With each press of button "D", the alarm of the selected channel or hourly time signal is engaged and disengaged alternately.

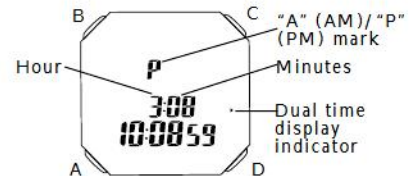
* The alarm and hourly time signal can be engaged and disengaged independently of each other.

Indication of the alarm channel	Alarm/hourly time signal engaged	Alarm/hourly time signal disengaged
1	-0	
2	-0	
3	-0	
(Hourly time signal)	ON	OFF

- The alarm rings at the designated time for 20 seconds and stops. To stop it manually, press button "A", "B", "C" or "D".
- The alarm can be tested by keeping button "D" pressed in the alarm display.

HOW TO SET THE DUAL TIME

Time of a different time zone can be set and displayed together with the time you have set in "HOW TO SET THE TIME/CALENDAR".

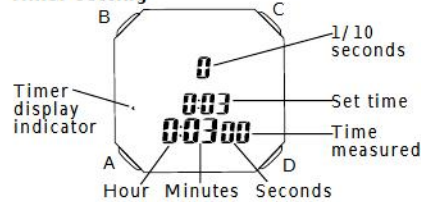


- Press button "A" to show the dual time display.
- Press button "B" to show the dual time setting display.
- To set the digits, refer to "HOW TO SET THE TIME/CALENDAR".

■ HOW TO USE THE COUNTDOWN TIMER

- The timer can be set up to 99 hours and 59 minutes in minutes.
- The remaining time is displayed in 1/10 seconds.

Timer setting

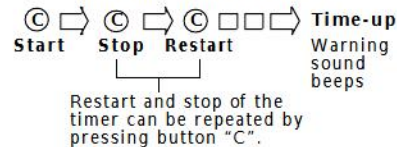


1. Press button "A" to show the timer display.
2. Press button "B" to show the timer setting display. The hour digits start flashing.
3. Selection of the digits to be adjusted (flashing) is made in the following order by pressing button "C".
 Hour → Minutes
 ↑
 ←
4. Press button "D" to set the digits. One digit is advanced with each press of the button. The digits move quickly by keeping the button pressed.
5. After all the adjustments are completed, press button "B" to return to the timer display.

Note: If the watch is left untouched in the timer setting display with the digits flashing, it will automatically return to the timer display in 2 minutes.

Timer operation

Press the button in the following order.



*When the set time is up, a warning sound beeps for 10 seconds. To stop it manually, press button "A", "B", "C" or "D".

■ LUMIBRITE WATCH (dial, hands, buttons, case, bezel, strap, etc.)

LORUS
LUMIBRITE

☆ If your watch is a LORUS LUMIBRITE watch, it has following features.

LORUS LUMIBRITE watches absorb and store light energy from natural and artificial light sources and emit light in the dark. They are made of environmentally friendly material, and therefore, are harmless to human beings and the environment.

- With a full charge, LORUS LUMIBRITE watches glow in the dark hours longer than conventional luminous watches of this type. If exposed to a light of more than 500 lux (i.e., the brightness of a typical office) for approximately 10 minutes, or direct sunlight for 2 minutes, they will glow for hours.
- Since LORUS LUMIBRITE watches emit the light they store, the brightness will decrease gradually over time. The length of time they will glow may also differ slightly depending on such factors as the brightness of and distance from the light source used to charge the watch.

■ ILLUMINATING LIGHT

When button "D" is pressed in the time/calendar or dual time display, the light illuminates the display for easy viewing in the dark.



■ ViViDiGi

ViViDiGi is a new type of liquid crystal panel that makes possible various colors and high contrast.

- Excellent light reflection and transmission make the display bright and clear.
 - Various color options are available.
 - Either the whole panel or the displayed data only can be illuminated.
- * Features vary in different models.

ViViDiGi

■ BATTERY CHANGE

The miniature lithium battery PANASONIC CR2025, which powers your watch should last approximately 5 years. However, because it is inserted at the factory, the actual life of the battery once in your possession may be less than the specified period. Be sure to replace the battery to prevent any possible malfunction as soon as it runs down. To replace the battery, we recommend taking the watch to a local watch repair shop.

Note: If the alarm is used for more than 3 seconds a day, the illuminating light for more than 4 seconds a day and/or the timer warning sound for more than 10 seconds a week, the battery life may be less than the specified period.

■ CARE OF YOUR LORUS WATCH

• BATTERY



CAUTION

Do not expose the old battery to fire or recharge it. Keep it at a place beyond the reach of children. If a child swallows it, consult a doctor immediately.

• WATER RESISTANT

Condition of use Indication on the dial/ case back	Accidental contact with water, such as splashes and rain	Swimming and taking a shower	Skin diving	Scuba diving
No indication	NO	NO	NO	NO
WATER RESISTANT	YES	NO	NO	NO
WATER RESISTANT (50 M/5 BAR)*	YES	YES	NO	NO
WATER RESISTANT (100 M/10 BAR or above)	YES	YES	YES	NO

* If your watch is 200 M/20 BAR, 100 M/10 BAR or 50 M/5 BAR water resistant, it is so indicated on the dial/case back.

- Do not operate the buttons when the watch is wet.
- If the watch is exposed to salt water, rinse it in fresh water and then wipe it thoroughly dry.

Caution:

Leather straps are not water resistant except so indicated, even if the watch head is water resistant.

• ALLERGIC REACTION

Because the case and band touch the skin directly, it is important to clean them regularly. If not, shirt sleeves may be stained and those with delicate skin may develop a rash. Please wear the watch with some play to avoid any possible allergic reaction. If you develop a rash on your wrist, stop wearing and consult a physician.

• MAGNETISM

Your watch will not be affected by magnetism generated by household electric appliances.

• SHOCKS AND VIBRATIONS

Your watch may be worn for normal sports activities, but be careful not to drop it or hit it on hard surfaces.

• TEMPERATURE

Your watch is preadjusted so that constant accuracy may be insured at normal temperature.

■ SERVICE

When your LORUS watch requires repair or servicing, please see the enclosed WARRANTY/GUARANTEE.