LORUS

A Watch You Can Trust

INSTRUCTION MANUAL FOR WATCH CALIBRE
NX04

LORUS

INSTRUCTION MANUAL
CAL. NX04 (RD9 SERIES)

■ CHARACTERISTICS

1. Time/calendar display:
- **Analogue display:** Hour, minutes and seconds.
- **Digital display:** Hour, minutes, seconds, date and day of the week.
- **Fully automatic calendar:** Calendar adjusts automatically for odd and even months including February of leap years from the year 2000 to the end of 2050.
- **Time indication:** Changeover between 12- and 24-hour indications is possible.

2. World time: The time of 27 cities in different time zones throughout the world can be displayed together with the time difference between the selected city and your area.
- **Daylight saving time setting**

3. Stopwatch: Measures up to 23 hours, 59 minutes and 59 seconds in 1/100 second increments for the first hour and in 1-second increments thereafter.

4. Regular alarm: The regular alarm can be set to ring on a 24-hour basis.

5. Single-time alarm: The single-time alarm can be set to ring only once at the designated time. As it rings, it is automatically disengaged.

6. Demonstration function: Each mode is displayed for 2 seconds in order.

7. Illuminating light: The light evenly illuminates the display for easy viewing in the dark.

■ CROWN/BUTTONS AND DISPLAYS

Date — Day — B — C — Hour hand — Minute hand — Crown — Second hand — A — D — Hour — Minutes — Seconds

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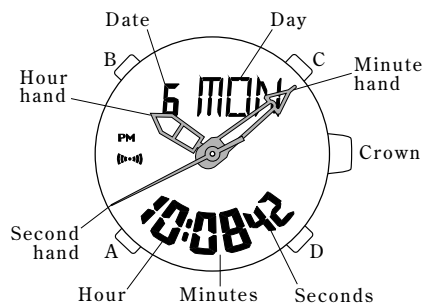
The selection of the mode can be made in the following order with each press of button "A".

TIME/CALENDAR mode —(A)→ WORLD TIME mode
↑(A) .... ↓(A)
REGULAR ALARM mode ←(A)— STOPWATCH mode
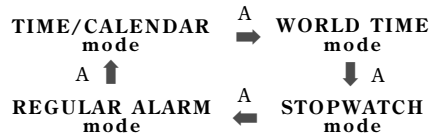
Note: If the watch is left untouched in the WORLD TIME mode, it will automatically return to the TIME/CALENDAR mode in 1 to 2 minutes.

By pressing button "C" in the TIME/CALENDAR mode, the SINGLE-TIME ALARM mode is shown.

TIME/CALENDAR mode —(C)→ SINGLE-TIME ALARM mode

With each press of button "D" in the TIME/CALENDAR mode, the display changes over in the following order.

Time/calendar display —(D)→ Calendar display
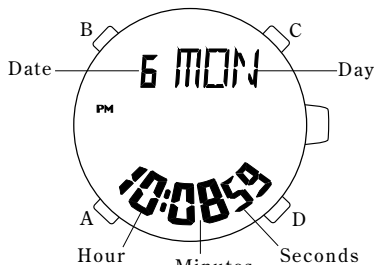↙(D) .... ↘(D)
Blank display
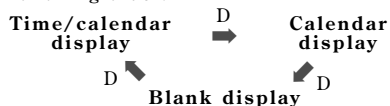
■ HOW TO SET THE TIME/CALENDAR

- Before setting the analogue time, be sure to set the digital time.

DIGITAL TIME/CALENDAR SETTING

- Once the time/calendar of your area is set in the TIME/CALENDAR mode, the times of the 27 cities covered in the WORLD TIME mode will be set automatically.

B — C — Date — Day — 6 MON — Hour — Minutes — Seconds — A — D

1. Press button "A" to show the TIME/CALENDAR mode.
2. Press button "A" for 2 to 3 seconds to show the TIME/CALENDAR SETTING display.
   * The world map and a city mark appear, and the part of the map representing the city flashes.

+ 0 NYC — City mark

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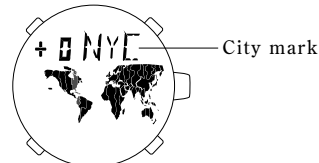
3. Selection of the digits/segments to be adjusted (flashing) is made in the following order by pressing button "C".

City   Seconds   Minutes   Hour

12-/24-hour   Date   Month   Year
indication

4. Press button "D" to set the flashing digits/segments.
   * Before setting the time/calendar, be sure to select the city representing your area. (For the city marks and cities they represent, see "Time differences")
   * 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.
5. After all the adjustments are completed, press button "A" to return to the TIME/CALENDAR mode.

● 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".

● 12-/24-hour indication setting

Changeover between 12- and 24-hour indications is made alternately with each press of button "D".

Notes:
1. When setting the hour digits in the 12-hour indication, check that AM/PM is properly set. Only "PM" mark is displayed and there is no indication for the AM setting. In the 24-hour indication, "24" is displayed.
2. Once the year, month and date have been set, the day of the week is set automatically.
3. If the watch is left untouched in the TIME/CALENDAR SETTING display with the digits/segments flashing, it will automatically return to the TIME/CALENDAR mode in 1 to 2 minutes.

ANALOGUE TIME SETTING
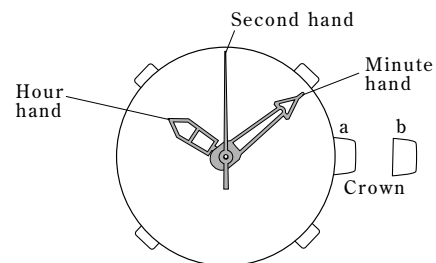
Second hand — Minute hand — Hour hand — a — b — Crown
a : Normal position
b : Extended position

1. Pull out the crown when the second hand is at the 12 o'clock position.
2. Turn the crown to set the hour and minute hands to the time shown in the digital display.
   * When setting the minute hand, advance it 4

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to 5 minutes ahead of the desired time and then turn it back to the exact minute.
3. Push the crown back in to the normal position when the second digits count "00" in the digital display.

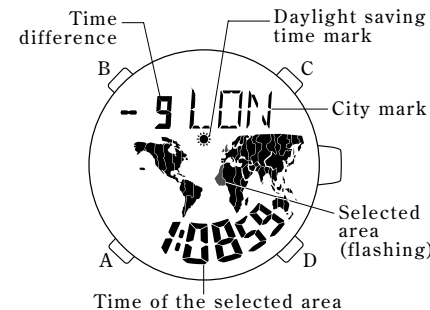### A convenient way of using the TIME/CALENDAR mode

- When you travel around different time zones, the time and calendar of the place you visit can easily be shown in the TIME/CALENDAR mode.

1. Press button "A" for 2 to 3 seconds in the TIME/CALENDAR mode to show the TIME/CALENDAR SETTING display.
2. Press "D" repeatedly to select the city representing the place you are visiting.
3. Press button "A" to return to the TIME/CALENDAR mode, and then, adjust the hands to the digital time.

■ HOW TO USE THE WORLD TIME

- The times of 27 cities in different time zones throughout the world can be displayed together with the time difference between the selected city and your area.
- Daylight saving time can be set for each city.

Note: To display the times of the cities covered in the WORLD TIME mode properly, it is necessary to select the city representing your area and set the correct time in the TIME/CALENDAR mode. (See "■ HOW TO SET THE TIME/CALENDAR")

Time difference — Daylight saving time mark — B — C — -9 LON — City mark — Selected area (flashing) — A — D — Time of the selected area

1. Press button "A" to show the WORLD TIME mode.
2. Press button "C" or "D" to select the desired city.
   * With each press of button "C" and "D", the flashing segments of the map move rightward and leftward, respectively.
   * If a selected time zone has no city mark set for the watch, "- - -- - -" will be displayed in place of a city mark.

Displaying the daylight saving time

1. Press button "C" or "D" to select the desired city.

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2. Press button "A" for 2 to 3 seconds to show the DAYLIGHT SAVING TIME SETTING display.
   * A flashing "DST" mark appears.
3. With each press of button "D", the standard time and daylight saving time of the selected city are alternately shown.
4. Press button "A" to return to the WORLD TIME mode.

Notes:
1. When the daylight saving time is set for the city selected in the TIME/CALENDAR mode, the current time is advanced by one hour.
2. If the watch is left untouched in the DAYLIGHT SAVING TIME SETTING display with the daylight saving time mark flashing, it will automatically return to the WORLD TIME mode in 1 to 2 minutes.

Time differences

UTC = coordinated universal time

City mark	City name	UTC ± (hours) [standard time]	UTC ± (hours) [daylight saving time]
(−11)*	–	−11:00	−10:00
HNL	Honolulu	−10:00	−09:00
ANC	Anchorage	−09:00	−08:00
LAX	Los Angeles	−08:00	−07:00
DEN	Denver	−07:00	−06:00
CHI	Chicago	−06:00	−05:00
NYC	New York	−05:00	−04:00
CCS	Caracas	−04:00	−03:00
RIO	Rio de Janeiro	−03:00	−02:00
(−2)*	–	−02:00	−01:00
(−1)*	–	−01:00	+00:00
UTC	–	+00:00	–
LON	London	+00:00	+01:00
PAR	Paris	+01:00	+02:00
CAI	Cairo	+02:00	+03:00
JRS	Jerusalem	+02:00	+03:00
JED	Jeddah	+03:00	+04:00
THR	Tehran	+03:30	+04:30
DXB	Dubai	+04:00	+05:00
KBL	Kabul	+04:30	+05:30
KHI	Karachi	+05:00	+06:00
DEL	Delhi	+05:30	+06:30
DAC	Dhaka	+06:00	+07:00
RGN	Yangon	+06:30	+07:30
BKK	Bangkok	+07:00	+08:00
HKG	Hong Kong	+08:00	+09:00
TYO	Tokyo	+09:00	+10:00
ADL	Adelaide	+09:30	+10:30
SYD	Sydney	+10:00	+11:00
NOU	Nouméa	+11:00	+12:00
WLG	Wellington	+12:00	+13:00

* For the time zones with "*" mark in the table above, "– – –– – –" will be displayed in place of a city mark.

■ HOW TO USE THE STOPWATCH

• The stopwatch can measure up to 23 hours, 59 minutes and 59 seconds in 1/100 second increments for the first hour and in 1 second increments thereafter.
  * Even if the STOPWATCH mode 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.
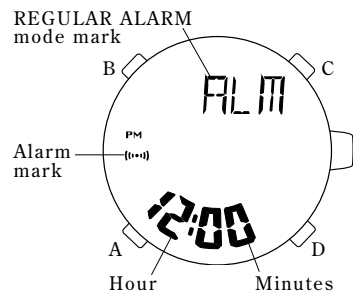
STOPWATCH mode mark

B   C

5TW

00'00"00

A   D

Minutes   Seconds   1/100 seconds
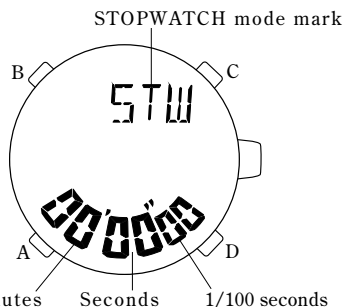
Stopwatch Operation

Press button "A" to show the STOPWATCH mode.

| Accumulated elapsed time measurement |

■■■■   ■■ ■■ ■■

Ⓒ ➡ Ⓒ ➡ Ⓒ ∙∙∙∙ ➡ Ⓒ ➡ Ⓓ

Start Stop Restart Stop Reset

* Restart and stop of the stopwatch can be repeated by pressing button "C".

■ HOW TO SET THE REGULAR ALARM

REGULAR ALARM mode mark

B   C

ALM

PM
((•••))

12:00

A   D

Hour   Minutes

1. Press button "A" to show the REGULAR ALARM mode.
2. Press button "A" for 2 to 3 seconds to show the REGULAR ALARM SETTING display.
   * The hour digits start flashing.
3. Press button "C" to select the digits to be adjusted (flashing).

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 "A" to return to the REGULAR ALARM mode.
   * The alarm mark appears and the regular alarm is automatically engaged.

Notes:
1. When the time function is displayed in the 24-hour indication, the alarm is also displayed in the 24-hour indication.
2. When setting the hour digits in the 12-hour indication, check that AM/PM is properly set. Only "PM" mark is displayed and there is no indication for the AM setting. In the 24-hour indication, "24" is displayed.
3. If the watch is left untouched in the REGULAR ALARM SETTING display with the digits flashing, it will automatically return to the REGULAR ALARM mode in 1 to 2 minutes.

Engagement/disengagement of the regular alarm and alarm test

• With each press of button "C" in the REGULAR ALARM mode, the regular alarm is engaged and disengaged alternately.
• At the designated time, the alarm rings for 20 seconds and stops. To stop it manually, press any of the buttons.
• The alarm can be tested by keeping button "C" pressed in the REGULAR ALARM mode.
   * After the alarm is tested, press button "C" again to engage or disengage the regular alarm.

■ HOW TO SET THE SINGLE-TIME ALARM

• The single-time alarm can be set to ring only once at the designated time. As it rings, it is automatically disengaged.
• The alarm time can be set in 1 minute increments starting from the current time.

Designated alarm time

B   C

10 08A

1-AL

Single-time
alarm mark   Current
                    time

A   D
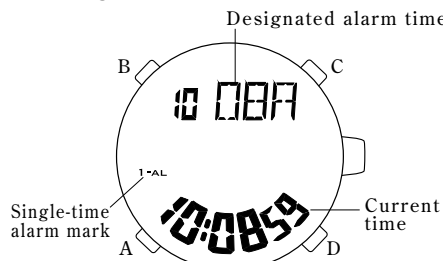
1. Press button "C" in the TIME/CALENDAR mode to show the SINGLE-TIME ALARM mode.
   * If the watch is left untouched in the SINGLE-TIME ALARM mode, it will automatically return to the TIME/CALENDAR mode in 20 to 30 seconds.
2. Press button "C" or "D" to set the desired alarm time.
   * One minute is advanced or moved back with each press of button "C" or "D", respectively. The digits move quickly by keeping the respective buttons pressed.
   * The single-time alarm mark "1-AL" is displayed and the alarm is automatically engaged.

3. Press button "A" to return to the TIME/CALENDAR mode.

• The alarm rings at the designated time for 20 seconds. To stop it manually, press any of the buttons.
   * The sigle-time alarm rings differently from the regular alarm.
• To check the alarm time you have set, press button "C" in the TIME/CALENDAR mode to show the SINGLE-TIME ALARM mode.
• To cancel the alarm time you have set, press buttons "C" and "D" at the same time or press button "C" or "D" to set the alarm time to the current time in the SINGLE-TIME ALARM mode.

■ DEMONSTRATION FUNCTION

1. Press button "D" for 2 to 3 seconds in the TIME/CALENDAR mode to activate the demonstration function.
2. The modes and displays are shown for 2 seconds automatically in the following order.

Time/calendar   Calendar   WORLD
display   display   TIME mode

Blank   REGULAR   STOPWATCH
display   ALARM   mode
                 mode

3. To deactivate the demonstration function, press any of the buttons. The watch returns to the TIME/CALENDAR mode.

■ NOTE ON UNUSUAL DISPLAY

While in the TIME/CALENDAR SETTING display with the digits flashing, all the segments of the display will light up if both buttons "C" and "D" are pressed at the same time. This is not a malfunction. Press button "A", "C" or "D" to return to the TIME/CALENDAR mode, and then set the time/calendar again.

■ NECESSARY PROCEDURE AFTER BATTERY CHANGE

After the battery is replaced with a new one or if an abnormal display (broken digits, etc.) appears in the digital display, follow the procedure below to reset the IC.

1. Press and hold the four buttons at the same time for 2 to 3 seconds.
   * "12:00'00" a.m., Jan. 1, 2000, Sat." will be displayed and "UTC" is selected in the WORLD TIME mode.
2. Before using the watch, set the time/calendar and alarm.

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

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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.

■ LORUS LITE

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LiTE

• Press button "B" in any mode. The electroluminescent light evenly illuminates the display for 3 seconds for easy viewing in the dark.

B

6 MON

PM

10:08:59
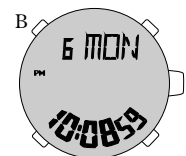
Notes:
1. When the light begins to lose its luminance, this is an indication that the battery for the digital display is depleted. We recommend that you change the battery before the watch itself stops.
2. If the light is used continuously for a long time, the battery life may be less than the specified period.

■ 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 batteries SEIKO SR626SW, MAXELL SR626SW, SONY SR626SW, Matsushita SR626SW or EVEREADY 377 for analogue display and SEIKO SR41W, MAXELL SR41W, SONY SR41W or EVEREADY 392 for digital display, which power your watch should last approximately 2 years. However, because they are inserted at the factory, the actual life of the batteries once in your possession may be less than the specified period. Be sure to replace the batteries to prevent any possible malfunction as soon as they run down. To replace the batteries, we recommend taking the watch to a local watch repair shop.

Notes:
1. If the alarm is used for more than 10 seconds a day and/or the illuminating light more than once (for 3 seconds) a day, the battery life may be less than the specified period.
2. If either of the two batteries runs down, we recommend that you replace both of the batteries.

■ 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 crown and 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.