

Instruction Manual

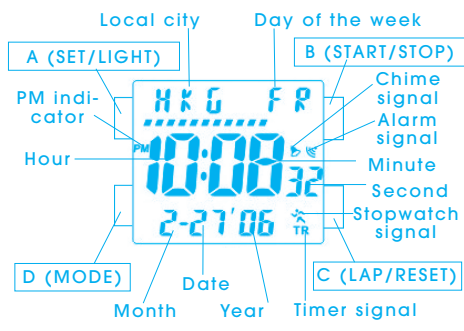


CAL. Z010 (R23 SERIES)

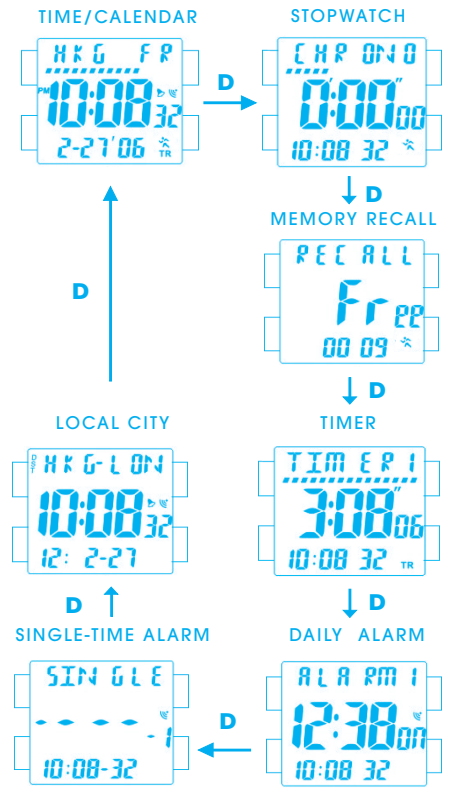
CHARACTERISTICS

- Time/calendar display:** Hour, minute, second, month, date and day of the week
- Time indication:** 12-hour display format with PM indicator and 24-hour display format are available.
- Stopwatch:** The stopwatch can measure up to 23 hours 59 minutes and 59 seconds in 1/100-second increments. Lap time measurement is available. Up to 15 lap times can be stored in memory.
Memory recall function: Data obtained in the Stopwatch mode can be recalled after measurement.
- Countdown timer:** The countdown timer can be set up to 23 hours 59 minutes and 59 seconds.
- Daily alarm:** The daily alarm can be set to sound at the designated time on a 24-hour basis. Three individual daily alarms can be set.
Single-time alarm: The Single-time alarm sounds only once at a designated time and it is disengaged automatically. Five individual single-time alarms can be set.
- Second Time Zone:** Time in a different time zone can be displayed.
- Chime:** The chime can be set to sound every hour on the hour with a single beep.
- Illuminating light:** The built-in electro-luminescent (EL) light evenly illuminates the display for easy viewing in darkness.

BUTTONS AND DISPLAYS

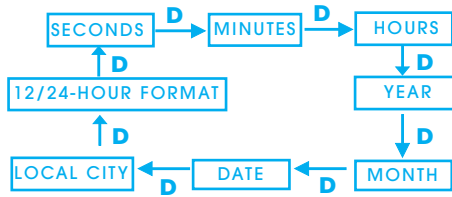


The display mode changes in the following order by pressing Button D.

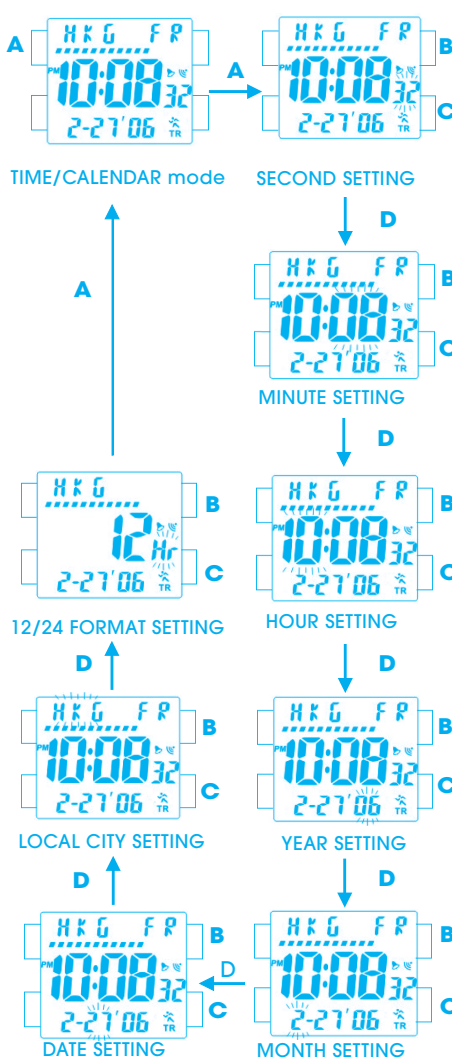


HOW TO SET THE TIME/CALENDAR

- Press Button A for 2 seconds to change the display to the TIME/CALENDAR SETTING mode. (The second digits start flashing.)
- Selection of the digits to be adjusted (flashing) is made in the following order by pressing Button D.



- One digit (flashing) is increased or decreased with each pressing of Button B or C, respectively. To move the digits quickly, keep the Button pressed.
 - Second setting**
Press Button B or C in accordance with a time signal. The second digits are reset to "00" and start counting immediately. When the second digits count any number from "30" to "59" and Button B or C is pressed, one minute is added and the seconds are immediately reset to "00."



- After all the adjustments are completed, press Button A to return to the TIME/CALENDAR mode.

Choice of 12-Hour/24-Hour format

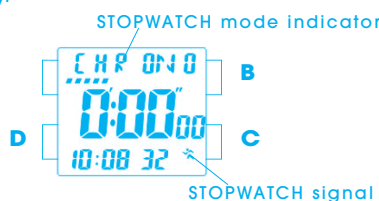
- The time display format in either 12-hour indication or in 24-hour indication can be selected alternately by pressing button B or C. Under the 12-hour indication format, "PM" mark appears in the afternoon, but no AM mark appears in the morning. Under the 24-hour indication format, no mark appears on the display.

ENGAGEMENT/DISENGAGEMENT OF CHIME

With each press of Button C in the TIME/CALENDAR mode, the chime can be alternately engaged or disengaged. The CHIME signal appears or disappears on the display accordingly.

HOW TO USE STOPWATCH

Press Button D to go to the STOPWATCH mode. The STOPWATCH mode indicator appears on the display.



STOPWATCH OPERATION

Standard Measurement

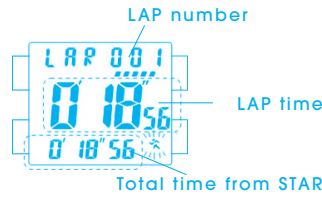


Start Stop Reset

Lap Time Measurement



Start Lap 1 Lap 2 Stop Reset



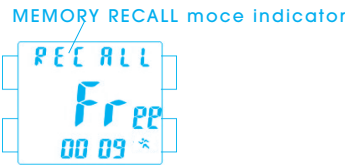
- * Measurement and release of lap time can be repeated by pressing Button C.
- * When Button C is pressed, the display changes to show the current lap time and total time from START for 3 seconds, and then it automatically returns to show the ongoing measurement.
- * When the stopwatch is reset by pressing Button C, the measured data is stored in memory.

During the measurement, the STOPWATCH signal keeps flashing. Press Button D to return to the TIME/CALENDAR mode.

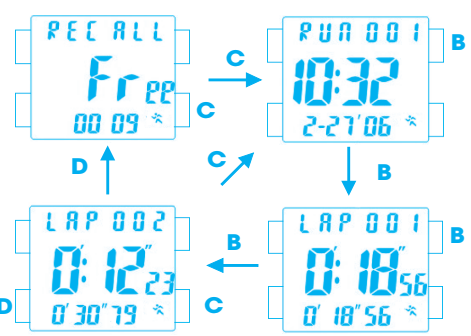
Memory Recall Function

Data obtained in the Stopwatch mode can be recalled after measurement. Each time data from START to RESET is managed as a RUN. Press Button D to return to the TIME/CALENDAR mode.

- Press Button D to go to the Memory Recall mode. The MEMORY RECALL mode indicator appears on the display.

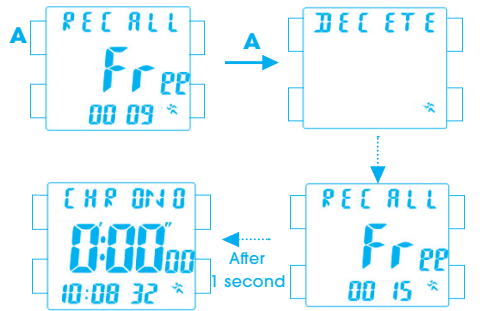


- Press Button C to show the data of the latest measurement. The elapsed time and the date of measurement are displayed with a RUN number.
- Press Button B to read each recorded lap time. Recorded lap time is shown in order of each lap number.
- Press Button C to exit the Memory Recall Function. The display returns to the MEMORY RECALL mode.



How to delete all of the memories

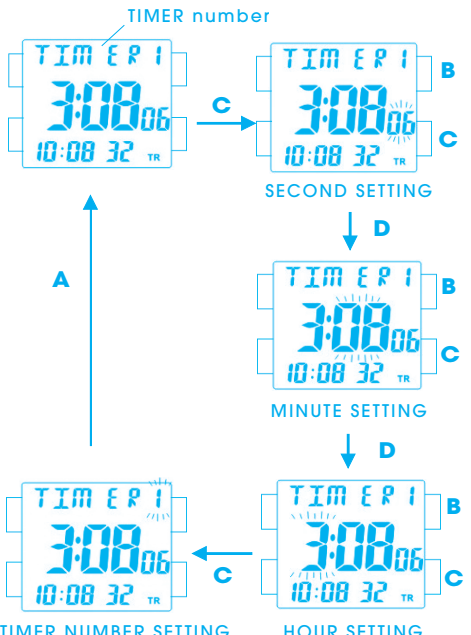
- Press Button A for 2 seconds. The "DELETE" indicator appears on the display when the watch starts deleting stored data. When the deletion is finished, the display returns to the MEMORY RECALL mode, and after 1 second, it automatically goes to the STOPWATCH mode.



HOW TO USE COUNTDOWN TIMER

Press Button D three times to go to the TIMER mode. The TIMER mode indicator appears on the display.

- Press Button A for 2 seconds to change the display to the TIMER SETTING mode. The hour digits start flashing.
- Press Button B or C to set the second digits. One digit (flashing) is increased or decreased with each pressing of Button B or C, respectively. To move the digits quickly, keep the Button pressed.
- Press Button D to confirm the second setting and move on to the minute setting. The minute digits start flashing.
- Press Button B or C to set the minute digits. One digit (flashing) is increased or decreased with each pressing of Button B or C, respectively. To move the digits quickly, keep the Button pressed.
- Press Button D to confirm the minute setting and move on to the hour setting. The hour digits start flashing.
- Press Button D to set the Timer number.
- Press Button A to complete the timer setting.



TIMER OPERATION



Start Stop Reset

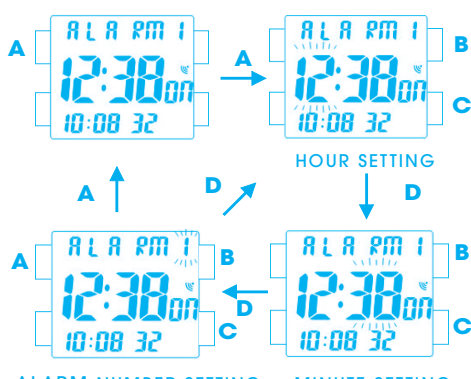
- Press Button B in the TIMER mode to start the countdown timer.
- Press Button B to stop the countdown timer.
- To reset the timer, press Button C. Press Button D to return to the TIME/CALENDAR mode.



■ HOW TO USE DAILY ALARM

Press Button D four times to go to the ALARM mode. The DAILY ALARM mode indicator appears on the display.

1. Press Button A for 2 seconds to change the display to the DAILY ALARM SETTING mode. The hour digits start flashing.
2. One digit (flashing) is increased or decreased with each press of Button B or C, respectively. To move the digits quickly, keep the Button pressed.
3. Press Button D to confirm the hour setting and move on to the minute setting. The minute digits start flashing.
4. Press Button B or C to set the minute digits. One digit (flashing) is increased or decreased with each press of Button B or C, respectively. To move the digits quickly, keep the Button pressed.
5. Press Button D to confirm the minute setting and move on to the alarm number setting. The alarm number starts flashing.
6. Press Button B or C to select the alarm number.
7. Press Button A to complete the alarm setting.



Note: The alarm can be set only in one time zone.

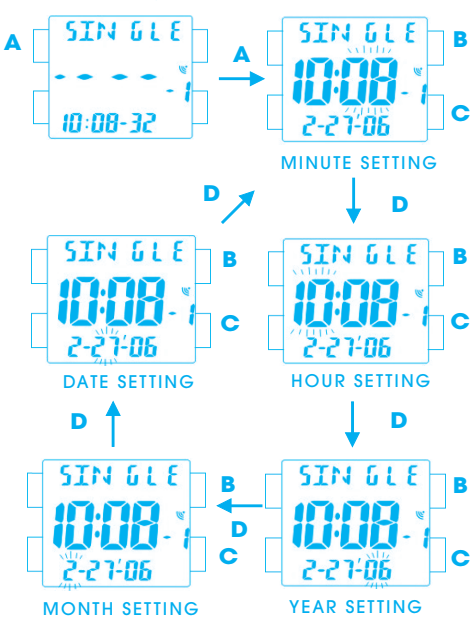
Engagement/disengagement of daily alarm
With each press of Button B in the DAILY ALARM mode, the alarm can be alternately engaged or disengaged. The ALARM signal appears or disappears on the display accordingly.

How to stop the alarm while sounding
The alarm sounds for 10 seconds at the designated time. To stop it manually while sounding, press any Button.

■ HOW TO USE SINGLE-TIME ALARM

Press Button D five times to go to the SINGLE-TIME ALARM mode. The SINGLE-TIME ALARM mode indicator appears on the display.

1. Press Button A for 2 seconds to change the display to the SINGLE-TIME ALARM SETTING mode. The minute digits start flashing.
2. Press Button B or C to set the minute digits. One digit (flashing) is increased or decreased with each press of Button B or C, respectively. To move the digits quickly, keep the Button pressed.
3. Press Button D to confirm the minute setting and move on to the hour setting. One digit (flashing) is increased or decreased with each press of Button B or C, respectively. To move the digits quickly, keep the Button pressed.
4. Press Button D to confirm the hour setting and move on to the year setting. The year digits start flashing.
5. One digit (flashing) is increased or decreased with each press of Button B or C, respectively. To move the digits quickly, keep the Button pressed.
6. Press Button D to confirm the year setting and move on to the month setting. The month digits start flashing.
7. One digit (flashing) is increased or decreased with each press of Button B or C, respectively. To move the digits quickly, keep the Button pressed.
8. Press Button D to confirm the month setting and move on to the date setting. The date digits start flashing.
9. One digit (flashing) is increased or decreased with each press of Button B or C, respectively. To move the digits quickly, keep the Button pressed.
10. Press Button A to complete the single time alarm setting.



Note: The alarm can be set only in one time zone.

Engagement/disengagement of single-time alarm
With each press of Button B in the SINGLE-TIME ALARM mode, the alarm can be alternately engaged or disengaged. The ALARM signal appears or disappears on the display accordingly.

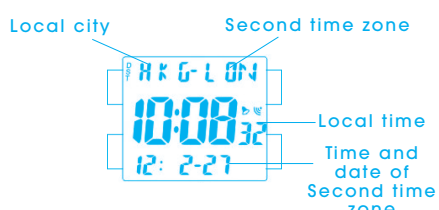
How to stop the alarm while sounding
The alarm sounds for 10 seconds at the designated time. To stop it manually while sounding, press any Button.

■ HOW TO SET SECOND TIME ZONE

Press Button D six times to go to the SECOND TIME ZONE mode.

1. Press Button C to select the city code.
2. If the daylight saving time is effective in the selected city, press Button B to show the daylight saving time. The daylight saving time ("DST") mark will appear.

Press Button D to return to the TIME/CALENDAR mode.



City code	Time differences	City
H11	-11	Pago Pago
HNL	-10	Honolulu, Patete
ANC	-9	Anchorage, Nome
LAX	-8	Los Angeles, San Francisco, Las Vegas, Vancouver, Seattle
DEN	-7	Denver, Edmonton
CHI	-6	Chicago, Mexico City, Houston, New Orleans, Winnipeg
NYC	-5	New York, Washington, D.C., Montreal, Lima, Havana, Boston
SDQ	-4	Santo Domingo(*)
RIO	-3	Rio de Janeiro, Buenos Aires, Brasilia, Montevideo, São Paulo
H02	-2	
H01	-1	Praia
GMT	0	
LON	0	London, Dublin, Reykjavik, Casablanca, Lisbon
PAR	1	Paris, Vienna, Brussels, Berlin, Madrid, Rome, Milan, Algiers, Hamburg, Frankfurt, Stockholm
CAI	2	Cairo, Athens, Helsinki, Istanbul, Beirut, Damascus
JED	3	Jeddah, Baghdad, Nairobi, Kuwait, Riyadh, Moscow
DXB	4	Dubai, Abu Dhabi, Muscat
KHI	5	Karachi, Male
DAC	6	Dacca, Colombo
BKK	7	Bangkok, Hanoi, Jakarta, Phnom Penh, Vientiane
HKG	8	Hong Kong, Beijing, Singapore, Manila, Taipei, Kuala Lumpur, Perth
TYO	9	Tokyo, Seoul, Pyongyang
SYD	10	Sydney, Guam, Melbourne, Rabaul
NOU	11	Nouméa, Port Vila
WLG	12	Wellington, Auckland, Christchurch, Nauru Island

(*) The display shows "CCS" (Santiago), but currently Santiago is UTC-3.

■ HOW TO USE EL BACKLIGHT

In any mode press Button A to illuminate the display for about 4 seconds.

- Note:**
1. The backlight of the watch employs an electro-luminescent (EL) light, which tends to lose illuminating power after very long use.
 2. The illumination provided by backlight may be hard to see when viewed under direct sunlight.

■ BATTERY CHANGE

The miniature battery CR2032 which powers your watch should last approximately 4 years. However, because it is inserted at the factory, the actual life of the battery once in your possession may be less than 4 years. Be sure to replace the battery to prevent any possible malfunction as soon as it runs down.

Note: If the alarm is used for more than 20 seconds a day and/or the illuminating light for more than 8 seconds a day, the battery life may be less than the specified period.

⚠ CAUTION

To replace the batteries, we recommend taking the watch to a local watch repair shop.

Do not expose the old battery to fire or recharge it.

■ CARE OF YOUR LORUS WATCH

⚠ WARNING

Please note that there is a risk of serious consequences such as severe injury if the following safety regulations are not strictly observed.

- **Immediately stop wearing the watch in following cases.**
 - If the watch body or band becomes edged by corrosion etc.
 - If the pins protrude from the band.
- ✦ Immediately consult the retailer from whom the watch was purchased or LORUS SERVICE NETWORK.
- **Keep the watch and accessories out of the reach of babies and children.**
 - Care should be taken to prevent a baby or a child accidentally swallowing the accessories.
 - If a baby or child swallows the battery or accessories, immediately consult a doctor, as it will be harmful to the health of the baby or child.
 - DEATH or serious injury can occur if ingested.
 - A swallowed button cell or coin battery can cause Internal Chemical Burns in as little as 2 hours.

• WATER RESISTANT

Condition of use	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 (50M/5 BAR)	YES	YES	NO	NO
WATER RESISTANT (100M/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.

⚠ CAUTION

- **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.**
- **Should you find any water or condensation inside the watch, immediately have it checked. Water can corrode electric parts inside the case.**

⚠ CAUTION

This watch contains precise electronic components. Never attempt to open the case or remove the back cover.

- **LEATHER BAND**
 - A leather band is susceptible to discoloration and deterioration from moisture, sweat and direct sunlight.
 - Wipe off moisture and sweat as soon as possible by gently blotting them up with a dry cloth.
 - Do not expose the watch to direct sunlight for a long time.
 - Please take care when wearing a watch with light-colored band, as dirt is likely to show up.
 - Refrain from wearing a leather band watch other than Aqua Free bands while bathing, swimming, and when working with water even if the watch itself is water-resistant enforced for daily use (10-BAR/20-BAR water resistant).
- **PLASTIC BAND**
 - As for material characteristics, the band is easily dirtied, and may be stained and discolored. Wipe off dirt with a wet cloth or cleaning tissue.
 - Unlike bands of other materials, cracks may result in the band being cut. Take care not to damage the band with an edged tool.
- **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 be adversely affected by strong magnetism. Keep it away from close contact with magnetic objects.
- **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.
- **CLEANING**
Use only a soft cloth and clean water for cleaning your watch. Never use chemicals, as the waterproof gasket will corrode.

■ SERVICE

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

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