Instruction Manual

LORUS
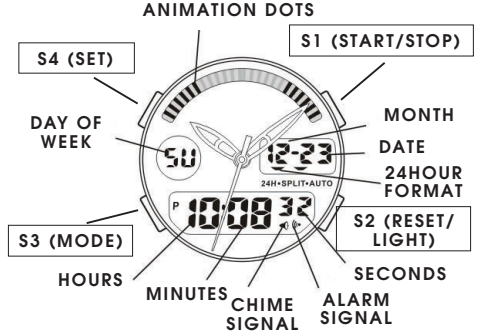
LORUS

CAL. Z012 (R23 SERIES)

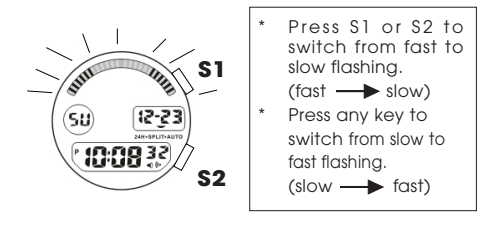- **Multi-function digital watch with 12 or 24 animation dots.**

■ CHARACTERISTICS

1. **Analogue & digital time displays:** Hour, Minute, Second, Month, Date and day of the week.
2. **Automatic calendar:** The calendar automatically adjusts the dates and months from the year of 2000 to 2049.
3. **Daily alarm and hourly chime:** The alarm can be set to sound at the designated time on a 24-hour basis and the chime can be set to sound every hour on the hour with a single beep.
4. **Second time zone:** Time in a different time zone can be displayed.
5. **Countdown timer:** The countdown timer can be set up to 23 hours 59 minutes and 59 seconds.
6. **Stopwatch:** The stopwatch can measure up to 23 hours 59 minutes and 59 seconds in 1/100-second increments. Split time measurement is available.
7. **Selection of 12 or 24-hour format:** The time display format in either 12-hour indication or 24-hour indication can be selected.
8. **Animation dots are displayed:** Animation dots are displayed in both 12 and 24-hour format and can be selected in either fast flashing or slow flashing.
9. **EL backlight:** The built-in electro-luminescent (EL) backlight illuminates the display for easy viewing in darkness.
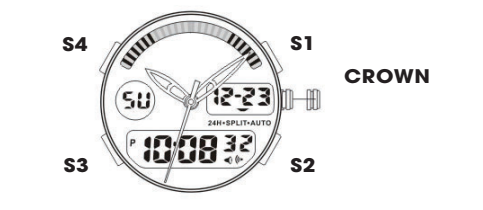
■ LCD DISPLAY AND BUTTONS FUNCTION

- ANIMATION DOTS
- S4 (SET)
- S1 (START/STOP)
- DAY OF WEEK
- MONTH
- DATE
- 24HOUR FORMAT
- S3 (MODE)
- S2 (RESET/LIGHT)
- HOURS
- MINUTES
- CHIME SIGNAL
- ALARM SIGNAL
- SECONDS

* Animation dots are displayed in both 12 and 24-hour format.

* Press S1 or S2 to switch from fast to slow flashing.
  (fast → slow)
* Press any key to switch from slow to fast flashing.
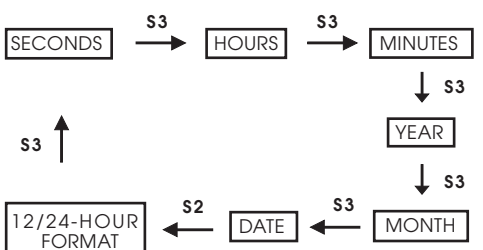 (slow → fast)

■ SETTING THE TIME (ANALOGUE)

1. Pull the crown out one step, the second hand will stop.
2. Set the correct time by turning the crown.
3. Push the crown back to the original position. The watch will start running again.

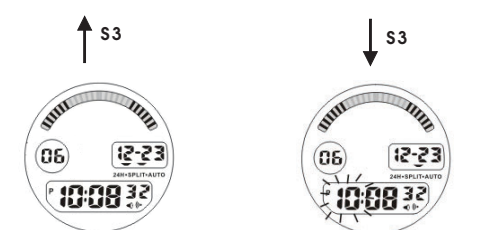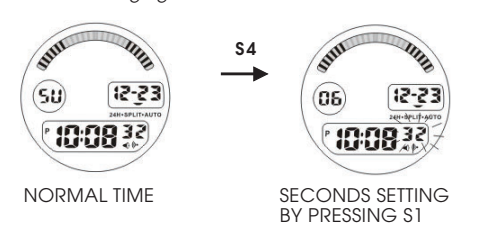* **The analogue indication and digital display of the time setting can be adjusted separately.**

S4, S1, S3, S2, CROWN

■ HOW TO SET NORMAL TIME/CALENDAR

1. Press S3 button to show the NORMAL TIME mode.
2. Press S4 button to begin setting procedure. The seconds digit starts flashing.
3. Press S1 button to set SECONDS setting.
4. Press S3 button to move on to HOURS setting.
* Selection of the digits to be adjusted is made in the following order by pressing S3 button and then pressing S1 button.
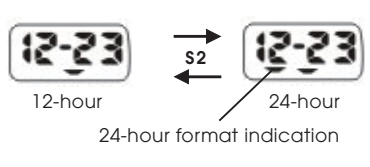5. Press S3 button after completing the setting.

SECONDS →S3 HOURS →S3 MINUTES →S3 YEAR →S3 MONTH →S3 DATE →S2 12/24-HOUR FORMAT →S3 (back to SECONDS)

* Day of week will change automatically based on date changing.

- NORMAL TIME
- SECONDS SETTING BY PRESSING S1
- 12/24-HOUR FORMAT
- HOURS SETTING BY PRESSING S1
- DATE SETTING BY PRESSING S1
- MINUTES SETTING BY PRESSING S1
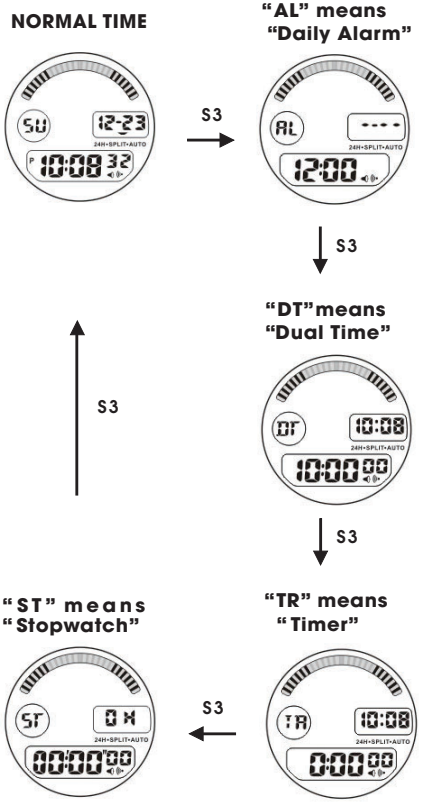- MONTH SETTING BY PRESSING S1
- YEAR SETTING BY PRESSING S1

Selection of 12-hour/24-hour format

- The time display format in either 12-hour indication or in 24-hour indication can be selected by pressing S2 button. Under the 12-hour indication format, no mark appears on the display. Under the 24-hour indication format, " -" mark appears under the date indicator.
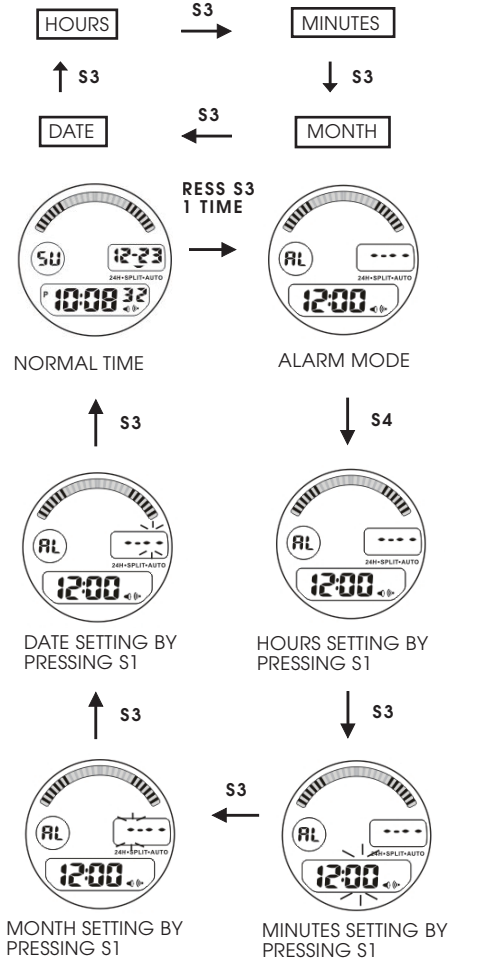- The calendar automatically adjusts the dates and months from the year of 2000 up to 2049.

12-hour → S2 → 24-hour

24-hour format indication

■ HOW TO CHANGE THE DISPLAY MODE

- Press S3 button to show the NORMAL TIME mode.
- If the NORMAL TIME mode is shown already on the display, skip the above operation.
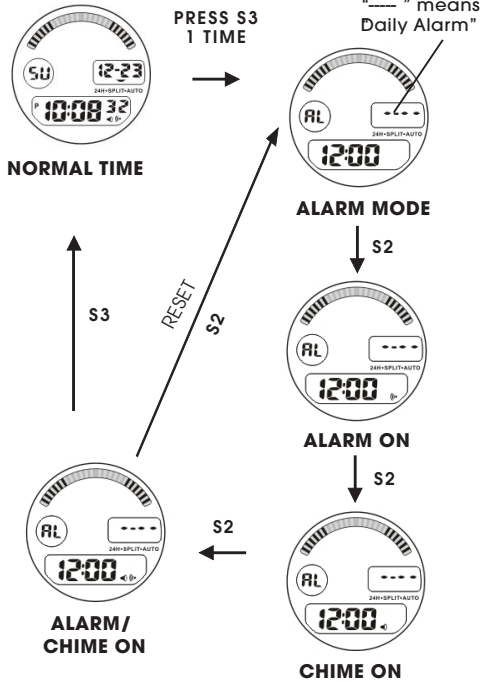- Press S3 button to change the display mode in the following order.

- NORMAL TIME
- "AL" means "Daily Alarm"
- "DT" means "Dual Time"
- "TR" means "Timer"
- "ST" means "Stopwatch"

■ HOW TO SET ALARM TIME

1. From NORMAL TIME mode, press S3 button once into ALARM mode.
2. Press S4 button to begin setting procedure. The hours digit starts flashing.
3. Press S1 button to set HOURS setting.
4. Press S3 button to move on to MINUTES setting.
* Selection of the digits to be adjusted is made in the following order by pressing S3 button and then pressing S1 button.
5. Press S3 button after completing the setting.

HOURS →S3 MINUTES →S3 MONTH →S3 DATE →S3 (back to HOURS)

- NORMAL TIME →PRESS S3 1 TIME→ ALARM MODE
- DATE SETTING BY PRESSING S1
- HOURS SETTING BY PRESSING S1
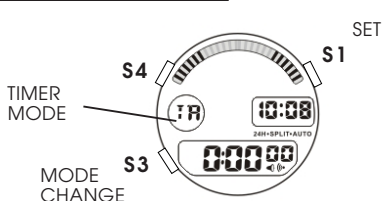- MONTH SETTING BY PRESSING S1
- MINUTES SETTING BY PRESSING S1

Engagement/Disengagement of ALARM & CHIME

* With each press of S2 button, the ALARM and CHIME can be engaged or disengaged in the following order. The ALARM signal and/or CHIME signal appear or disappear on the display accordingly.
* The ALARM can be set only in one time zone.
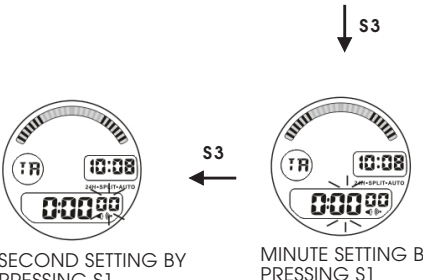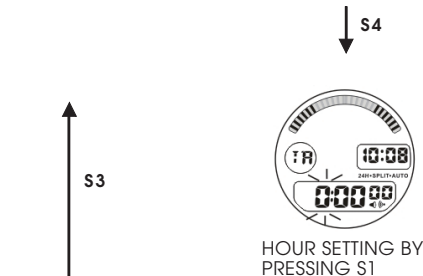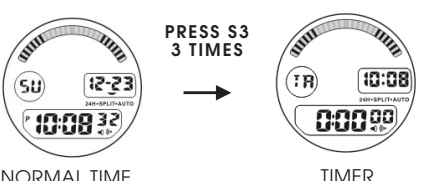* If month and date are set, it will alarm once.

- NORMAL TIME →PRESS S3 1 TIME→ "—" means Daily Alarm"
- ALARM MODE
- ALARM ON
- CHIME ON
- ALARM/CHIME ON
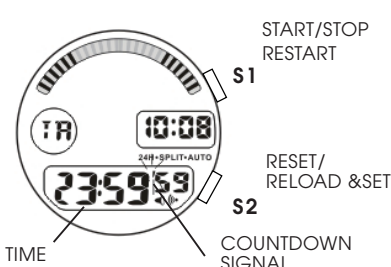
■ HOW TO SET COUNT DOWN TIMER
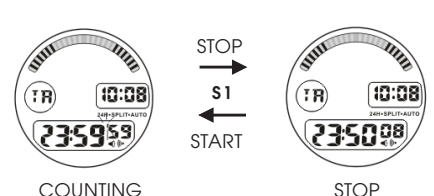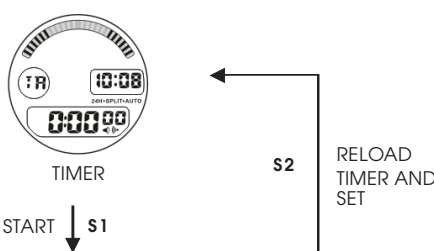
Countdown Timer Setting

1. From NORMAL TIME mode, press S3 button 3 times into TIMER mode.
2. Press S4 button to begin setting procedure. The HOURS digit starts flashing.
3. Press S1 button to set HOURS setting.
4. Press S3 button to move on to MINUTES setting.
5. Selection of the digits to be adjusted is made in the following order by pressing S3 button and then pressing S1 button.
6. Press S3 button after completing the setting.

HOURS →(S3)→ MINUTES ↓(S3) SECONDS

NORMAL TIME → PRESS S3 3 TIMES → TIMER

↓ S4

HOUR SETTING BY PRESSING S1

↓ S3

MINUTE SETTING BY PRESSING S1 ←(S3)

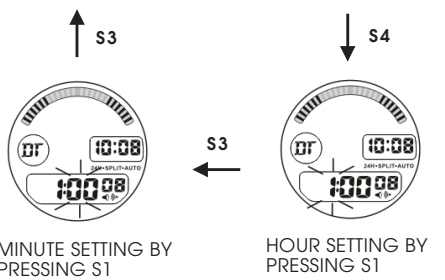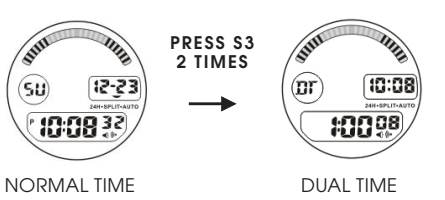SECOND SETTING BY PRESSING S1

Countdown Timer Operation

1. Press S1 button while in the TIMER mode to start the COUNTDOWN TIMER.
2. The countdown signal " : " appears and starts flashing.
3. Press S1 button again to stop the COUNTDOWN TIMER.
4. While in the COUNTDOWN TIMER MODE, press S2 button to reset the countdown time to its starting value and to start to countdown automatically or while in countdown time mode press S2 button and then press S1 button to reset the countdown time.
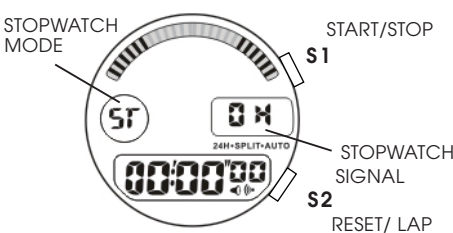5. Press S3 button return to NORMAL TIME display.

TIMER
START ↓ S1
COUNTING
STOP
COUNTING

■ HOW TO SET SECOND TIME ZONE

1. From NORMAL TIME mode, Press S3 button 2 times into DUAL TIME mode.
2. Press S4 button to begin setting procedure. The HOURS digit starts flashing.
3. Press S1 button to set HOUR setting.
4. Press S3 button to move on to MINUTE setting.
5. Selection of the digits to be adjusted is made in the following order by pressing S3 button and then pressing S1 button.
6. Press S3 button after completing the setting.

NORMAL TIME → PRESS S3 2 TIMES → DUAL TIME

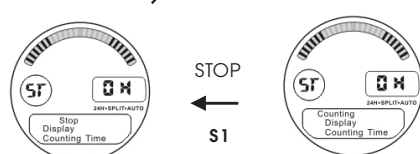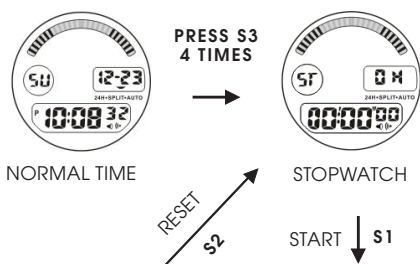MINUTE SETTING BY PRESSING S1 ← HOUR SETTING BY PRESSING S1

■ HOW TO USE STOPWATCH

* From NORMAL TIME mode, Press S3 button 4 times into STOPWATCH mode.
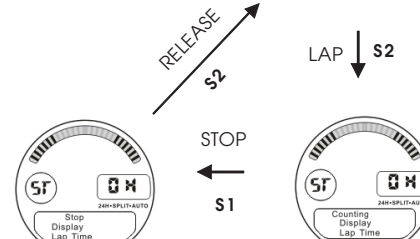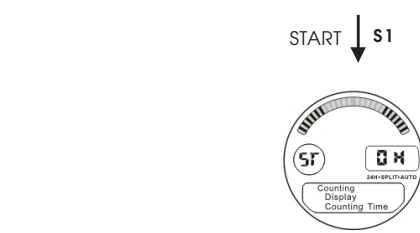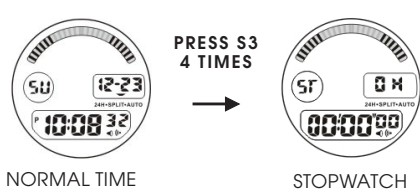

Standard Measurement

1. Press S1 button alternately to start and stop the STOPWATCH.
2. Press S2 button to reset the STOPWATCH to "0:00; 00."

NORMAL TIME → PRESS S3 4 TIMES → STOPWATCH

START ↓ S1

STOP ← STOP Stop Display Counting Time

Counting Display Counting Time

Lap Time Measurement

1. Press S1 to start counting first lap time.
2. Press S2 button, the STOPWATCH keeps counting first lap time and showing it on the display.
3. Press S1 button to stop counting first lap time.
4. Press S2 button to release first lap time.
5. Press S1 button to start counting second lap time. The STOPWATCH shows second lap time.
* This operation can be repeated and the split time can be read.
6. Press S2 to finish counting the lap time mearurement.
7. Press S2 again to reset the STOPWATCH to "0:00; 00."

Start Lap 1 Lap 2 Stop Reset

NORMAL TIME → PRESS S3 4 TIMES → STOPWATCH

START ↓ S1

Counting Display Counting Time

LAP ↓ S2

Counting Display Lap Time

STOP ↓ S1

Stop Display Lap Time

* Press S3 button return to NORMAL TIME display.

■ HOW TO USE EL BACKLIGHT

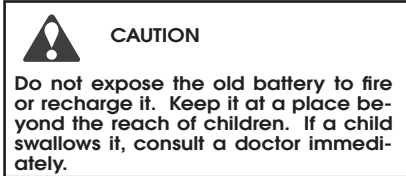* Press S2 button in any mode to turn the illuminating light on.

LIGHT ON S2

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.
* When the illuminating light becomes dim, replace the batteries with new ones.

■ CARE OF YOUR LORUS WATCH

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

• 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 (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.
* 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:
Leather straps are not water resistant except as 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 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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