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Real Instruments XL-009

Real Instruments XL-009 Digital Stopwatch User Manual

Model: XL-009

1. Introduction

This manual provides detailed instructions for the operation and maintenance of your Real Instruments XL-009 Digital Stopwatch. Designed for precision and reliability, this device is suitable for various timing needs in sports, fitness, and daily activities. Please read this manual thoroughly to ensure proper use and to maximize the lifespan of your stopwatch.

2. Product Overview

The Real Instruments XL-009 is a waterproof, hand-held digital stopwatch featuring an LCD display, chronograph, date, time, and alarm functions. It is constructed from durable plastic and includes a lanyard for portability.



Image 2.1: Front view of the XL-009 Digital Stopwatch, showing the LCD display and control buttons.

2.1 Key Features

- **Precision Timing:** 1/100 second segment timing for accurate measurements.
- **Multi-functional:** Includes stopwatch, time, date, and alarm capabilities.
- **Durable Design:** Made from quality plastic, featuring waterproof and shockproof construction.
- **Portability:** Lightweight (100g) with an included lanyard for easy carrying.

2.2 Physical Components

The stopwatch features three primary control buttons:

- **START/STOP Button:** Initiates and pauses timing in stopwatch mode, and adjusts values during setting.
- **SPLIT/RESET Button:** Records split times and resets the stopwatch, and adjusts values during setting.
- **MODE Button:** Switches between different operational modes (Time, Stopwatch, Alarm).



Image 2.2: Illustration of the stopwatch's durable ABS plastic construction, waterproof and shockproof design, rubber ring seal, and reinforced internal supports.



Image 2.3: Dimensions of the XL-009 stopwatch, measuring approximately 7.5 cm (2.95 in) in height and 6 cm (2.36 in) in width.

3. Initial Setup

The stopwatch typically comes with a pre-installed battery. Upon first use or after a battery replacement, you may need to set the current time and date.

3.1 Power On

The device is always on to display the time. If the display is blank, the battery may need replacement (refer to Maintenance section).

3.2 Setting Time and Date

Follow these steps to set the current time and date:

1. From the normal time display mode, press the **MODE** button three times to enter the time setting mode. The seconds will begin to flash.
2. Press the **SPLIT/RESET** button to reset the seconds to zero.
3. Press the **START/STOP** button to advance to the minutes setting. The minutes will flash.
4. Press the **SPLIT/RESET** button to adjust the minutes. Hold the button to change values faster.
5. Repeat step 3 and 4 for setting the hour (12/24-hour format), month, date, and day of the week.
6. Once all settings are complete, press the **MODE** button to exit the setting mode and return to the normal time display.

4. Operating Modes

The XL-009 stopwatch features multiple modes accessible via the **MODE** button. Pressing the **MODE** button cycles through the following functions:

- **Normal Time Display:** Shows current time, date, and day of the week.
- **Stopwatch Mode:** For timing events with precision.
- **Alarm Mode:** For setting and activating an audible alarm.



Image 4.1: Visual representation of the stopwatch's core functionalities, including alarm setting, dual-channel timing, and precise timekeeping.

4.1 Using the Stopwatch Function

To use the chronograph (stopwatch) function:

1. From the normal time display, press the **MODE** button once to enter Stopwatch Mode. The display will show

'0:00:00'.

2. Press the **START/STOP** button to begin timing.
3. To pause the timing, press the **START/STOP** button again. Press it once more to resume.
4. To record a split time (lap time) while the stopwatch is running, press the **SPLIT/RESET** button. The split time will be displayed, and the stopwatch will continue running in the background. Press **SPLIT/RESET** again to return to the running time.
5. To stop the timing completely, press the **START/STOP** button.
6. To reset the stopwatch to zero, press the **SPLIT/RESET** button while the stopwatch is stopped.



Image 4.2: The XL-009 stopwatch in use, demonstrating its application for timing athletic activities like running.

4.2 Setting the Alarm Function

To set the alarm time:

1. From the normal time display, press the **MODE** button twice to enter Alarm Mode. The alarm time will be displayed.
2. Press the **SPLIT/RESET** button to toggle the alarm ON/OFF. An alarm icon will appear/disappear on the

display.

3. To set the alarm time, press the **START/STOP** button. The hour digits will flash.
4. Press the **SPLIT/RESET** button to adjust the hour.
5. Press the **START/STOP** button to advance to the minutes setting. The minute digits will flash.
6. Press the **SPLIT/RESET** button to adjust the minutes.
7. Once the alarm time is set, press the **MODE** button to exit the setting mode.

5. Maintenance

Proper care will ensure the longevity and optimal performance of your XL-009 stopwatch.

5.1 Cleaning

- Wipe the stopwatch with a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, followed by immediate drying.
- Avoid using harsh chemicals, abrasive cleaners, or solvents, as these can damage the plastic casing and display.

5.2 Water Resistance

The stopwatch features a waterproof design. While it is resistant to splashes and rain, it is not designed for prolonged submersion. Avoid pressing buttons while the stopwatch is wet to prevent water ingress.

5.3 Storage

Store the stopwatch in a cool, dry place away from direct sunlight and extreme temperatures. If storing for an extended period, consider removing the battery to prevent leakage.

5.4 Battery Replacement

If the display becomes dim or unresponsive, the battery may need to be replaced. The XL-009 typically uses a standard button cell battery. Consult a qualified technician or refer to specific instructions for battery compartment access to avoid damaging the waterproof seal.

6. Troubleshooting

If you encounter issues with your stopwatch, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Display is blank or dim.	Low or dead battery.	Replace the battery.
Buttons are unresponsive.	Temporary software glitch or low battery.	Try removing and reinserting the battery (if accessible) or allow the battery to fully discharge and replace.
Time/Date is incorrect.	Not set correctly or battery interruption.	Refer to Section 3.2 to reset the time and date.

Problem	Possible Cause	Solution
Alarm does not sound.	Alarm is not activated or set incorrectly.	Ensure the alarm is turned ON in Alarm Mode (Section 4.2) and the time is set correctly.

7. Specifications

- **Model:** XL-009
- **Brand:** Real Instruments
- **Material:** Plastic
- **Color:** Black
- **Product Dimensions:** 6.4D x 8W x 2H Centimeters
- **Item Weight:** 100 Grams
- **Functions:** Stopwatch (1/100s), Time (12/24h), Date, Day of Week, Alarm
- **Features:** Waterproof, Shockproof

8. Warranty and Support

Real Instruments products are manufactured to high-quality standards. For information regarding warranty coverage, returns, or technical support, please refer to the purchase documentation or contact your retailer. Keep your proof of purchase for any warranty claims.

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