Ultrak L208B

Ultrak L20 Multi-Lane Timer (8 Button Set) User Manual

Model: L208B | Brand: Ultrak

1. INTRODUCTION

The Ultrak L20 Multi-Lane Timer is designed for precise timing in various athletic events, including track races with up to 10 lanes and road races with up to 8,000 participants. This device features an updated printer module and a new case, maintaining the operational functionality of the Ultrak L10. It includes an 8-button set for versatile use, providing accurate and reliable results for competitive sports.

Image 1.1: The Ultrak L20 Multi-Lane Timer displaying its screen and a printed timing record.

2. PRODUCT FEATURES

- **Road Race (Cross Country) Mode:** Offers 8,000 memory capacity for individual finishers in single or

multiple events. Supports four-digit bib numbers, with entry at the finish or post-event editing. Includes a four-digit place counter, automatic printout during events, final result printout, and support for single/multiple start times with up to 10 waves.

- **Track Race Mode:** Accommodates up to 10 lap/split lane buttons. A Linkgate is provided to connect lane buttons to a separate unit, simplifying wiring. Features 8,000 dual split memory for single or multiple events, storage for later review or printing, a four-digit place counter, pre-entry of bib and lane numbers, post-event bib number editing, a two-digit lap counter, and a test mode for lane setup verification.

- **Built-In Printer:** Prints 20 digits, with one lap/split record per line, at a speed of 1 line per second. Provides automatic printout of date, run number, and record type (track, road, or multiple). Includes a pause printing function for paper changes and is powered by a rechargeable internal battery (USB rechargeable).

- **Other Features:** Includes a Windows interface for data processing and is compatible with various sports timing software programs such as Hy-Tek, RunScore, and Easy Meet Manager. Features time and calendar functions.

Image 2.1: A single lane button with its connecting cable, used for recording splits or finishes.

3. Setup

3.1 Powering On and Charging

Before initial use, ensure the internal battery is fully charged. Connect the Ultrak L20 timer to a standard USB power source using the provided USB cable. The charging indicator will confirm the charging status. A full charge ensures optimal performance during events.

3.2 Connecting Lane Buttons (Track Race Mode)

For track race applications, connect the individual lane buttons to the Linkgate unit. The Linkgate acts as a central hub, consolidating inputs from multiple lane buttons into a single connection to the main timer unit. This design minimizes tangled wires and simplifies setup on the track.

3.3 Paper Installation for Built-In Printer

To use the built-in printer, gently open the printer cover. Insert a new roll of compatible thermal paper, ensuring the paper feeds smoothly through the mechanism and protrudes slightly from the printer slot. Close the cover securely.

Image 3.1: The Ultrak L20 timer connected to a laptop, demonstrating its data transfer capability.

4. Operating Instructions

4.1 Road Race (Cross Country) Mode

This mode is optimized for events with a large number of participants, such as cross country races, 10Ks, or marathons.

1. Press the **MODE** button to navigate and select "Road Race" mode.
2. If prompted, enter the total number of participants or other event parameters.

3. Press the **START/RATE** button to begin timing the event.

4. As participants cross the finish line, enter their unique four-digit bib numbers using the numeric keypad and press **ENTER**. The timer will automatically record their finish time.

5. Results can be printed automatically during the event or stored in memory for later review and printing.

4.2 Track Race Mode

This mode is specifically designed for multi-lane track events, allowing for precise lap and split timing.

1. Press the **MODE** button to navigate and select "Track Race" mode.

2. Optionally, pre-assign bib numbers to specific lanes before the event begins.

3. Utilize the **TEST** mode to verify that all connected lane buttons are functioning correctly.

4. Press the **START**/**RATE** button to initiate the race timer.

5. As each runner completes a lap or crosses a designated split point, press the corresponding lane button. The timer will record the lap/split time for that lane.

6. The Linkgate system ensures that inputs from multiple lane buttons are efficiently transmitted to the timer via a single cable.

5. DATA MANAGEMENT

5.1 Data Upload to PC

The Ultrak L20 features a Windows-compatible interface for transferring recorded data to a personal computer. Connect the timer to your PC using a USB cable. Follow the instructions provided with the Ultrak software (if applicable) or your chosen third-party timing software to initiate data transfer.

5.2 Software Compatibility

The device is compatible with several popular sports timing software programs, including Hy-Tek, RunScore, and Easy Meet Manager. For detailed instructions on importing data and utilizing the timer with these applications, please refer to the specific software's user documentation.

6. CARE AND MAINTENANCE

- **Cleaning:** To clean the unit, use a soft, dry cloth. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the device's surface or internal components.

- **Battery Care:** Regularly recharge the internal battery to maintain its capacity and ensure the timer is ready for use. Avoid completely draining the battery frequently.

- **Storage:** Store the Ultrak L20 in a cool, dry environment, away from direct sunlight, extreme temperatures, and high humidity. Protect it from dust and physical impacts.

- **Printer Paper:** Use only the recommended thermal paper rolls for the built-in printer to prevent jams and ensure clear printouts.

7. TROUBLESHOOTING GUIDE

- **Timer Not Powering On:** Ensure the internal battery is sufficiently charged. Connect the timer to a USB power source and allow it to charge for a period before attempting to power it on again.

- **Printer Not Printing:** Verify that the thermal paper roll is correctly installed and that there is enough paper. Check if the battery has adequate charge for printing operations. Confirm that the print function is enabled

in the current operating mode.

- **Lane Buttons Unresponsive:** Inspect all cable connections, particularly between the lane buttons, the Linkgate unit, and the main timer. In Track Race mode, use the dedicated **TEST** mode to identify any specific faulty button or connection.
- **Data Transfer Issues:** Ensure the timer is securely connected to the PC via the USB cable. Confirm that any necessary drivers or software for data transfer are correctly installed and updated on your computer.

8. PRODUCT SPECIFICATIONS

Feature	Detail
Model Number	L208B
Brand	Ultrak
Dimensions (D x W x H)	2" x 4" x 8.5"
Item Weight	3.75 pounds
Material	Plastic
Color	Gray
Screen Size	8.5 Inches
Memory Capacity	8,000 records (Road Race), 8,000 dual split (Track Race)
Printer Speed	1 line per second
Power Source	Rechargeable internal battery (USB)
UPC	743223082001
GTIN	743223082001

9. WARRANTY AND CUSTOMER SUPPORT

For detailed warranty information, product registration, or technical assistance, please visit the official Ultrak website or contact their customer service department directly. It is recommended to retain your purchase receipt as proof of purchase for any warranty claims or support inquiries.