

YZ YZ-XSL22-JGTIMER2-H

YZ Laser Timer System User Manual

Model: YZ-XSL22-JGTIMER2-H

1. INTRODUCTION

This manual provides instructions for the YZ Laser Timer System, designed for precise timing in various athletic activities. The system offers high accuracy and portability, making it suitable for sprints, running, track and field, football, and other training scenarios.

1.1 Key Features

- **High Accuracy:** Five-digit display, accurate to 0.001 seconds. Timing error is less than 0.001s per hour.
- **Adjustable Tripod:** Stable, durable, foldable, and portable tripod with height adjustment from 60cm to 160cm to meet diverse training and competition needs.
- **Portability:** Comes with a toolbox for easy organization and transport.
- **Versatile Application:** Suitable for timing starting and ending points in various positions for sprints, running, races, 40/60 yard dashes, football, barrel races, and general training.

1.2 Package Contents

The YZ Laser Timer System package includes the following components:

- Timer Unit (x1)
- Laser Unit (x1)
- Reflectors (x2)
- Stands (x4)
- Charger and Cables (x2)
- User Manual (x1)



Figure 1.2.1: Overview of all YZ Laser Timer System components.



Figure 1.2.2: Detailed view of the YZ Laser Timer System package contents.

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Video 1.2.1: YZ Laser Timer Unboxing. This video demonstrates the unboxing process and shows all included

components.

2. SETUP INSTRUCTIONS

Follow these steps to set up your YZ Laser Timer System for operation.

2.1 Component Assembly

1. **Attach Timer to Stand:** Secure the timer unit to one of the provided stands. Ensure it is stable.
2. **Attach Laser to Stand:** Secure the laser unit to another stand.
3. **Attach Reflectors to Stands:** Secure the two reflector units to the remaining two stands.
4. **Install Antennas:** Screw the antennas onto the designated ports on the timer and laser units.



Figure 2.1.1: Tripod stand for mounting components.

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Video 2.1.1: YZ Laser Timer Installation. This video demonstrates the assembly and setup of the timer, laser, and reflector units on their stands.

2.2 System Placement

Position the timer, laser, and reflector units to define the start and end points of your timing area. Ensure the laser beam is unobstructed and aligned with the reflectors.

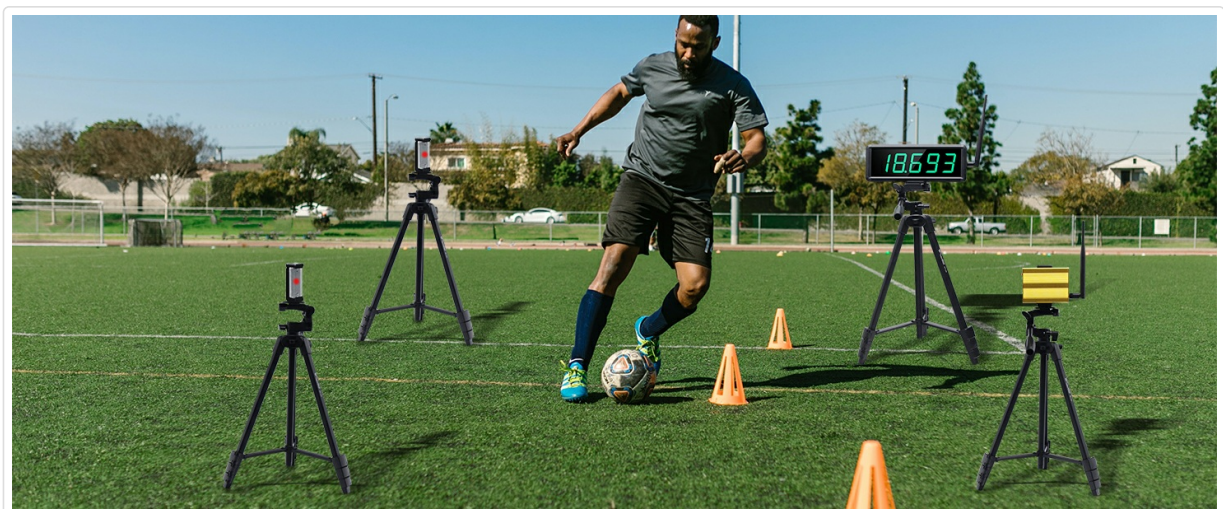


Figure 2.2.1: Example setup for football training.



Figure 2.2.2: Example setup for hurdle training.



Figure 2.2.3: Example setup for long jump timing.

3. OPERATING INSTRUCTIONS

3.1 Powering On

1. **Timer Unit:** Locate the power switch on the side of the timer unit and turn it on. The display will illuminate, showing the battery level before switching to 0.000.
2. **Laser Unit:** Locate the power switch on the laser unit and turn it on. A green indicator light will confirm it is active.



Figure 3.1.1: Timer unit power switch and display.



Figure 3.1.2: Laser unit with indicator lights.

3.2 Starting and Stopping the Timer

The system operates by detecting interruptions in the laser beam. When an object or person breaks the laser beam at the start point, the timer begins. When the laser beam is broken at the end point, the timer stops.

3.3 Resetting the Timer

To reset the timer to 0.000, press the "ZERO" button located on the laser unit. This prepares the system for the next timing sequence.



Figure 3.3.1: "ZERO" button on the laser unit.

4. MAINTENANCE

To ensure the longevity and optimal performance of your YZ Laser Timer System, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the timer, laser, and reflector surfaces. Avoid abrasive cleaners or solvents.
- **Storage:** When not in use, store all components in the provided carrying case in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** Charge the units regularly, especially if storing for extended periods, to maintain battery health. Avoid overcharging.
- **Laser Alignment:** Periodically check the alignment of the laser and reflectors to ensure accurate timing.

5. TROUBLESHOOTING

If you encounter issues with your YZ Laser Timer System, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|---------------------------------|--|--|
| Timer not powering on | Low battery; Power switch off | Charge the unit; Ensure power switch is in the ON position. |
| Laser not emitting beam | Low battery; Power switch off; Obstruction | Charge the unit; Ensure power switch is in the ON position; Check for and remove any obstructions. |
| Inaccurate timing or no trigger | Misalignment of laser/reflectors; Obstruction in beam path; Environmental interference | Realign laser and reflectors; Clear beam path; Ensure stable setup and minimal environmental interference (e.g., strong sunlight directly on sensors). |
| Display not showing time | Timer not triggered; Connection issue | Ensure laser beam is properly broken; Check wireless connection between units. |

6. SPECIFICATIONS

Detailed technical specifications for the YZ Laser Timer System:

- **Model Number:** YZ-XSL22-JGTIMER2-H
- **Brand:** YZ
- **Material:** Aluminum
- **Item Weight:** 6.12 Kilograms (13.47 pounds)
- **Timing Accuracy:** 0.001 seconds (error less than 0.001s in one hour)
- **Display:** Five-digit LED Digital Tube with Acrylic Design for increased light transmittance
- **Tripod Height Adjustment:** 60cm - 160cm (24 - 63 inches)
- **Battery Type:** 1 Lithium Polymer battery (included)
- **Battery Life:** Approximately 10 hours on a full charge
- **Charging Time:** Approximately 4 hours for a full charge
- **Package Dimensions:** 17 x 15.5 x 10.58 inches

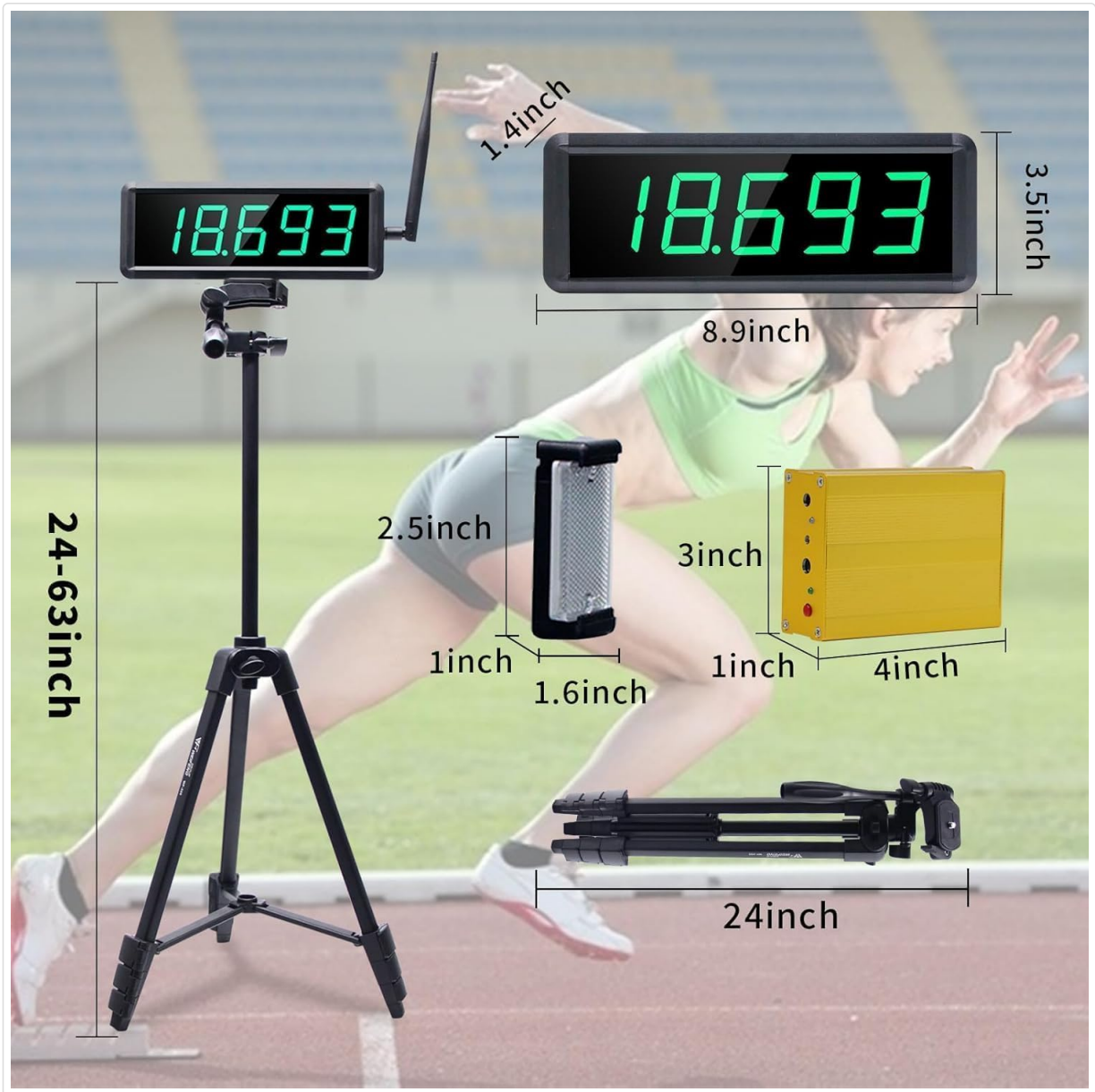


Figure 6.1.1: Product dimensions and components.

LONG BATTERY STANDBY



4 Hours full
charge



10 Hours battery
life



Wireless

Figure 6.1.2: Battery life and charging information.



Figure 6.1.3: Design features of the timer unit.

7. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product or contact YZ customer service directly. Keep your purchase receipt for warranty claims.