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> [YZ Wireless Laser Timing System LSTM-GR2 User Manual](#)

YZ LSTM-GR2

YZ Wireless Laser Timing System LSTM-GR2 User Manual

Model: LSTM-GR2 | Brand: YZ

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your YZ Wireless Laser Timing System, Model LSTM-GR2. This battery-powered, high-precision device is designed for accurate timing in various sports and training scenarios, including sprints, running, and other speed-based activities. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1x Timer Unit (Main Display)
- 1x Reflector Unit
- 2x Mini Tripod Stands
- 1x Charger and Cable
- 1x User Manual (this document)
- 1x Carrying Toolbox



Image: All components of the YZ Wireless Laser Timing System, including the main timer display, reflector, two mini tripod stands, and the protective carrying case.

SETUP INSTRUCTIONS

Follow these steps to set up your timing system:

1. **Attach Tripod Stands:** Screw one mini tripod stand into the bottom of the Timer Unit and the other into the Reflector Unit. Ensure they are securely fastened.
2. **Position the Units:** Place the Timer Unit and Reflector Unit opposite each other, ensuring the laser beam from the Timer Unit is aimed directly at the reflective surface of the Reflector Unit. The distance between the units can vary based on your training area.
3. **Power On:** Locate the power switch on the Timer Unit and turn it ON. The display should illuminate.
4. **Check Battery Level:** The Timer Unit's display will briefly show the battery percentage upon startup. A full charge provides approximately 10 hours of use.
5. **Zero the Timer:** Press the "ZERO" button on the side of the Timer Unit to reset the display to 0.000.

Visual Setup Guide

Your browser does not support the video tag.

Video: Demonstrates the basic operation and setup of the laser timer, including powering on and triggering the laser.

Your browser does not support the video tag.

Video: Provides instructions on how to use and install the YZ Laser Timer components.

LONG BATTERY STANDBY



5 Hours full charge 8 Hours battery life Wireless

Image: Illustrates the long battery standby feature, indicating 5 hours for a full charge and 8 hours of battery life.



Acrylic Design

Increase its light transmittance

LED Digital Tube

Make it more continuous and clear

Stand

Make it more stable

Image: Details the product's design, including an acrylic cover for enhanced light transmittance, an LED digital tube for clear and continuous display, and a stable stand.

SMALL AND PORTABLE



Image: Provides the compact dimensions of the timer unit (8.9x3.5x1.4 inches), tripod (7 inches), and E-clip (2.5x1.6x1 inches), emphasizing portability.

WITH A CARRYING CASE



Image: Displays the included carrying case and its dimensions (9.6x8.3x2.8 inches), highlighting its convenience for organization and transport.



Image: Shows various applications of the timing system, including roller skating, football drills, pet training, and sprint timing.

OPERATING INSTRUCTIONS

The YZ Wireless Laser Timing System operates by detecting when the laser beam between the Timer Unit and Reflector Unit is broken. This allows for precise start and stop times.

1. **Start Timing:** When an athlete or object passes through the laser beam, the timer will automatically start.
2. **Stop Timing:** When the athlete or object passes through the laser beam again (or a second laser beam if configured for intervals), the timer will stop and display the elapsed time.
3. **Accuracy:** The system provides timing accurate to 0.001 seconds, with a timing error of less than 0.001s per hour.
4. **Resetting:** To reset the timer for a new measurement, press the "ZERO" button on the side of the Timer Unit.

Operation Demonstration

Your browser does not support the video tag.

Video: Shows the mounting and operation of the Ousmile Laser Timer, demonstrating how to set up the units and trigger the timer.

MAINTENANCE

Charging

The Timer Unit is battery-powered and can be charged using the provided charger and cable. A full charge takes approximately 4 hours and provides up to 10 hours of continuous operation. Ensure the unit is turned off during charging for optimal battery life.

Care and Storage

- Keep the laser and reflective surfaces clean to ensure accurate readings. Use a soft, dry cloth to wipe away dust or debris.
- Store the system in its provided waterproof and shockproof carrying toolbox when not in use to protect it from damage.
- Avoid exposing the units to extreme temperatures or direct sunlight for prolonged periods.

TROUBLESHOOTING

- **Timer not starting/stopping:**
 - Ensure the Timer Unit and Reflector Unit are properly aligned and the laser beam is hitting the reflective surface.
 - Check that both units are powered on and have sufficient battery charge.
 - Verify that no obstructions are permanently blocking the laser path.
- **Inaccurate readings:**
 - Clean the laser emitter and reflective surface.
 - Ensure the units are stable and not moving during timing.
 - Minimize external light interference if operating in very bright conditions.
- **Unit not powering on:**
 - Check the battery level and charge the unit if necessary.
 - Ensure the power switch is fully in the ON position.

SPECIFICATIONS

Feature	Detail
Model Number	LSTM-GR2
Brand	YZ
Power Source	Battery Powered
Battery Life	Approx. 10 hours (after 4 hours charge)
Timing Accuracy	0.001 seconds
Timing Error	Less than 0.001s in one hour

Display	Five-digit LED Digital Tube
Material	Aluminum
Item Weight	0.59 Pounds
Item Dimensions (L x W x H)	10.24 x 9.92 x 4.21 inches (Package)
Color	Green (Display)

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase documentation or visit the official YZ product support website. Keep your proof of purchase for any warranty claims.