Duncan 3517LL

Duncan Limelight LED Light-Up Yo-Yo Instruction Manual

Model: 3517LL

1. Introduction

The Duncan Limelight LED Light-Up Yo-Yo is designed for both beginners and experienced players. This yo-yo features vibrant LED lights that activate during spins, creating a dynamic visual effect. Its durable construction and transaxle design support smooth performance and ease of learning various yo-yo tricks.



Image: The Duncan Limelight LED Light-Up Yo-Yo, showcasing its clear body and internal light mechanism.

2. Package Contents

- 1x Duncan Limelight Yo-Yo (Colors May Vary)
- 4x LR44 batteries (pre-installed)



Image: Duncan Limelight LED Light-Up Yo-Yo in its retail packaging, indicating 'Mystery Color'.

3. Setup

1. **Unpackaging:** Carefully remove the yo-yo from its packaging.
2. **String Adjustment:** The yo-yo string should be adjusted to your height. Hold the yo-yo in your hand and let the string hang to the floor. The string should reach your belly button. If it is too long, cut the string approximately 4 inches above your belly button and tie a new slip knot.
3. **Finger Loop:** Place the slip knot of the string onto your middle finger.
4. **Battery Activation:** The yo-yo comes with pre-installed LR44 batteries. The LED lights activate automatically when the yo-yo spins. No manual activation is required for the lights to function.

4. Operating Instructions

4.1 Basic Throw and Return

1. **Wind the String:** Hold the yo-yo in your dominant hand with the string wound tightly around the axle.
2. **The Throw:** With your palm facing up, throw the yo-yo downwards with a firm, straight motion. As it reaches the end of the string, it should spin in place (sleep).
3. **The Return:** To make the yo-yo return, give a slight tug upwards on the string. The yo-yo should climb back to your hand.

4.2 Activating LED Lights

The Limelight Yo-Yo features motion-activated LED lights. The lights will automatically illuminate and change colors as the yo-yo spins, creating a light show on a string. The faster the spin, the more vibrant the light display.

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Video: Official demonstration of the Duncan Limelight LED Light-Up Yo-Yo in action, showcasing its light-up feature during tricks.

4.3 Looping Tricks

The transaxle design of the Limelight Yo-Yo is ideal for looping tricks. This design allows the yo-yo to spin freely at the end of the string, making it easier to perform continuous loops and other dynamic maneuvers.

5. Maintenance

- **String Replacement:** Replace the yo-yo string regularly, especially if it shows signs of fraying or wear. A fresh string ensures optimal performance and safety.
- **Cleaning:** Wipe the yo-yo body with a soft, dry cloth to remove dust and grime. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the yo-yo in a cool, dry place away from direct sunlight to prolong its lifespan.
- **Battery Replacement:** The yo-yo uses 4 LR44 batteries. When the lights dim or stop working, replace all four batteries. Carefully open the yo-yo halves to access the battery compartment. Ensure correct polarity when inserting new batteries.

6. Troubleshooting

- **Yo-Yo Not Returning:**
  - Check if the string is properly wound.
  - Ensure the string is not tangled around the axle.
  - Practice a firmer, straighter throw.
- **Lights Not Activating:**
  - Ensure the yo-yo is spinning fast enough to trigger the motion sensor.
  - Check if the batteries need replacement (refer to Maintenance section).
  - Verify battery polarity if recently replaced.

- **String Fraying:**
  - Replace the string immediately to prevent breakage during play.

7. Specifications

Model Number	3517LL
Brand	Duncan
Skill Level	Beginner
Body Material	Durable Polycarbonate Plastic
Axle Type	Transaxle
Weight	1.92 ounces (54.5g)
Product Dimensions	2"L x 2"W
Batteries	4 LR44 batteries (included)
Recommended Age	24 months - 6 years (Manufacturer Recommended)

8. Warranty and Support

For warranty information or product support, please visit the official Duncan Toys website or contact their customer service. Keep your purchase receipt for any warranty claims.

Official Duncan Website: www.yo-yo.com

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