

## Movo DiveRig1 XL (LED-WPx2+GB-U80)

# Movo DiveRig1 XL Diving Rig Bundle Instruction Manual

Model: DiveRig1 XL (LED-WPx2+GB-U80)

## 1. INTRODUCTION AND OVERVIEW

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The Movo DiveRig1 XL Diving Rig Bundle is designed to enhance underwater photography and videography with action cameras. It features a durable aluminum alloy tray with rubberized handgrips, multiple mounting options, and two waterproof LED lights to provide stable shooting and improved illumination in underwater environments. This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your DiveRig1 XL.

## 2. WHAT'S INCLUDED

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- Solid Aluminum Alloy Tray with Rubberized Handgrips
- Two Waterproof LED Lights (700 lumens each)
- Two Cold Shoe Mounts
- Central Action Mount (1/4" mount screw)
- Adjustable Wrist Strap
- Rechargeable Batteries (integrated into lights)
- USB Power Adapters
- 3 Attachable Color Filters per light (white, orange, purple)

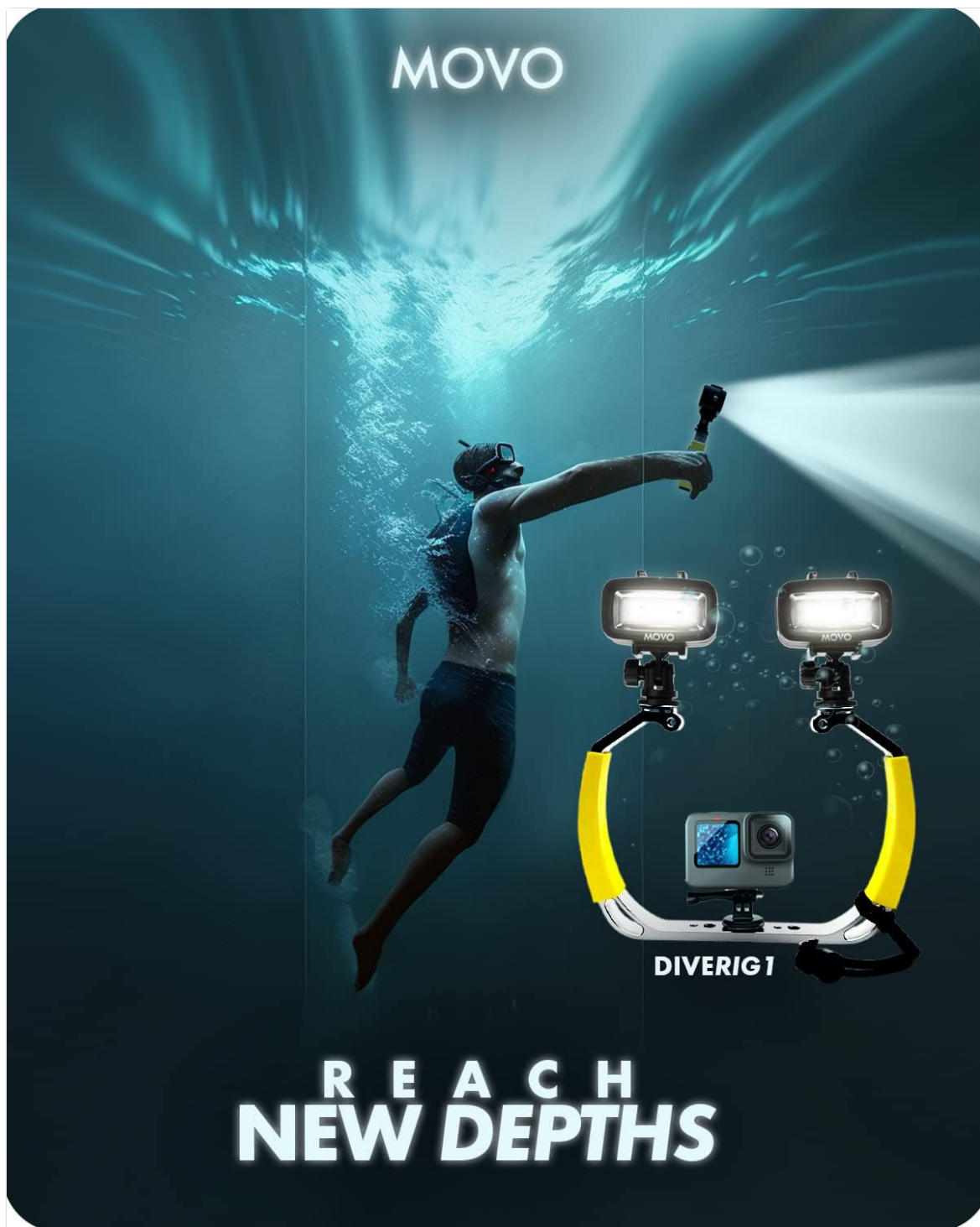


Figure 2.1: Movo DiveRig1 XL Diving Rig Bundle with two LED lights and an action camera mounted.

### 3. SETUP INSTRUCTIONS

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1. **Attach LED Lights:** Securely attach each waterproof LED light to the cold shoe mounts located on the top of the aluminum alloy tray. Ensure the mounting screws are tightened to prevent movement during use.
2. **Mount Action Camera:** Place your compatible action camera onto the central action mount (1/4" screw) on the rig. Tighten the screw to firmly hold the camera in place.
3. **Secure Wrist Strap:** Attach the adjustable wrist strap to the designated point on the rig. This provides an additional layer of security, preventing accidental drops.
4. **Charge LED Lights:** Before initial use, fully charge both LED lights using the provided USB power adapters. The lights have integrated rechargeable batteries.

5. **Pre-Dive Check:** Always perform a thorough pre-dive check. Ensure all components are securely fastened, especially the lights and camera. Verify that the LED lights are functioning correctly and that any waterproof seals on your camera housing are intact.

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Video 3.1: This video demonstrates the Movo Action Camera Diving Rig in use, showcasing its features and benefits for underwater videography.

## 4. OPERATING INSTRUCTIONS

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### 4.1 LED Light Operation

- **Power On/Off:** Press and hold the power button on each LED light to turn it on or off.
- **Light Modes:** Cycle through the three available light settings by pressing the power button briefly:
  - **High Power Mode:** Provides maximum illumination (700 lumens).
  - **Power Saver Mode:** Reduces brightness for extended battery life.
  - **SOS Mode:** Activates a flashing strobe for emergency signaling.
- **Color Filters:** Attach the desired color filter (white, orange, or purple) to the front of the LED lights to adjust the light temperature and compensate for color loss underwater.



Figure 4.1: Underwater view of the Movo DiveRig1 XL with LED lights illuminating the scene.

## 4.2 Underwater Use

Hold the rig firmly by the rubberized handgrips for stable footage. The dual lights provide even illumination, reducing shadows and enhancing color accuracy in underwater environments. Adjust light modes and filters as needed based on depth and water clarity.

## 5. COMPATIBILITY

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The Movo DiveRig1 XL Diving Rig Bundle is compatible with a wide range of action cameras, including but not limited to:

- GoPro Hero (HERO5, HERO6, HERO7, HERO8, HERO9, HERO10)
- DJI Osmo Action Cam

# SEAMLESS COMPATIBILITY



+ MANY MORE

Figure 5.1: Compatibility diagram for the Movo DiveRig1 XL.

## 6. MAINTENANCE

- **Rinsing:** After each use in saltwater, thoroughly rinse the entire rig with fresh water to prevent corrosion.
- **Drying:** Allow all components to air dry completely before storage.
- **Battery Care:** Store LED lights with a partial charge (around 50%) if not used for extended periods. Avoid fully discharging or overcharging batteries.
- **Seal Inspection:** Regularly inspect the O-rings and seals on the waterproof LED lights for any signs of wear, cracks, or debris. Replace if necessary to maintain waterproof integrity.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
LED lights not turning on or charging.	Low battery; faulty charging cable/adapter; internal issue.	Ensure lights are fully charged. Try a different USB cable or adapter. If the issue persists, contact customer support.
Water leakage into LED lights or camera housing.	Improperly sealed O-rings; damaged seals; incorrect assembly.	Perform a thorough pre-dive check. Inspect all seals for debris or damage and ensure they are properly seated. Do not use if seals are compromised.
Lights or camera become loose during use.	Mounting screws not sufficiently tightened.	Ensure all mounting screws for the lights and camera are securely tightened before use. Consider using additional tethers for critical components as a safety measure.

## 8. SPECIFICATIONS

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- **Brand:** Movo
- **Model Name:** DiveRig1 XL
- **Model Number:** LED-WPx2+GB-U80
- **Material:** Aluminum Alloy
- **Water Resistance Level:** Waterproof
- **Mounting Type:** Cold Shoe Mount, 1/4" Screw Mount
- **LED Light Output:** 700 Lumens (per light)
- **Shooting Modes:** High Power, Power Saver, SOS
- **Battery Average Life:** 7 Hours (for lights, in Power Saver mode)
- **Item Weight:** 2.18 Pounds
- **Compatible Devices:** Action Cameras (e.g., GoPro Hero series, DJI Osmo Action Cam)
- **Video Capture Resolution:** Up to 5.3K (camera dependent, not rig specific)



Figure 8.1: Movo DiveRig1 XL Specifications.

## 9. WARRANTY AND SUPPORT

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Movo products typically come with a manufacturer's warranty. Please refer to the official Movo website or your purchase documentation for specific warranty terms and contact information for customer support. For further assistance, visit the [Movo Store on Amazon](#).