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Moman MLQ-RGB

MOMAN MLQ-RGB Mini On-Camera LED Video Light User Manual

Model: MLQ-RGB | Brand: Moman

1. INTRODUCTION

The MOMAN MLQ-RGB Mini On-Camera LED Video Light is a compact and versatile lighting solution designed for photographers and videographers. It features high color rendering (CRI \geq 95) LED beads, offering multiple lighting modes including CCT, HSI, and EFF. Its portable design and various mounting options make it suitable for a wide range of shooting scenarios.



Image 1: The MOMAN MLQ-RGB Mini LED Video Light, showcasing its compact design and versatility for various lighting needs.

2. PRODUCT FEATURES

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- **Compact and Portable:** Designed for on-the-go creators, this LED fill light is compact and lightweight (145g), making it easy to carry in a pocket.
 - **High Color Rendering:** Equipped with 90 high CRI (≥ 95) LED beads for accurate color reproduction.
 - **Multiple Lighting Modes:** Integrates three functional lighting modes: CCT (Correlated Color Temperature), HSI (Hue, Saturation, Intensity), and EFF (Special Effects).
 - **Adjustable Color Temperature:** In CCT mode, adjust color temperature from 3000K to 6500K.
 - **Full Color Control:** HSI mode allows 0-360° full color saturation adjustment.
 - **21 Special Light Effects:** EFF mode offers 7 lighting scene modes (Warning, Colorful lights, Party, Music, Fire, Photo, Lighting), each with 3 levels.
 - **Versatile Mounting:** Includes a hot shoe mount with a 1/4" thread for attachment to cameras and rigs. Features a magnetic back for quick attachment to metal surfaces.
 - **Long Battery Life:** Built-in 2300mAh rechargeable battery provides up to 8 hours of operation at low brightness, or at least 2 hours at 100% brightness.
 - **Type-C Charging:** Conveniently recharges via the included Type-C cable.

Pocket Light for Powerfully Illuminating Every Moment



Image 2: The MOMAN MLQ-RGB light with its dimensions (114mm x 58.5mm x 16mm) and weight (145g), demonstrating its pocket-sized portability.

3. SETUP

The MLQ-RGB LED video light offers flexible setup options for various shooting environments.

3.1 Attaching to a Camera or Rig

Use the included hot shoe mount to attach the light to your DSLR camera, mirrorless camera, or any compatible video rig. The mount features a 1/4" thread for secure attachment.

3.2 Magnetic Mounting

The light features a magnetic back, allowing it to be quickly and securely attached to any metal surface. This provides additional creative placement options without the need for extra accessories.



Image 3: The MLQ-RGB light shown mounted on a DSLR camera via its hot shoe and magnetically attached to a metal surface, illustrating its versatile setup options.

4. OPERATING INSTRUCTIONS

The MLQ-RGB light features intuitive controls for adjusting its various lighting modes.

4.1 Power On/Off

Locate the power button on the side of the device. Press and hold to power on or off the light.

4.2 Mode Selection (CCT, HSI, EFF)

Use the mode selection button (labeled EFF, HSI, CCT) to cycle through the three main lighting modes.

4.3 CCT Mode (Color Temperature)

In CCT mode, you can adjust the color temperature from 3000K (warm light) to 6500K (cool light). Use the adjustment dial or buttons to increase or decrease the color temperature. Brightness can also be adjusted from 0-100% in this mode.

4.4 HSI Mode (Hue, Saturation, Intensity)

HSI mode allows for full color control. Adjust the hue (0-360°) to select your desired color, and then fine-tune the saturation and brightness (0-100%) to achieve the perfect look for product photography, video shooting, or live streaming.

Warm/Cool Lighting Creation & 360° HSI Control



0-360° full color saturation



Image 4: The control interface of the MLQ-RGB, showing options for CCT (color temperature from 3000K to 6500K) and HSI (0-360° full color saturation) adjustments.

4.5 EFF Mode (Special Light Effects)

The EFF mode provides 21 special light effects across 7 categories, each with 3 intensity levels. These effects are designed to inspire creativity and cater to various shooting needs.

- **Warning:** Includes effects like Police Car, Ambulance, Fire Engine.
- **Colorful Lights:** Dynamic color cycling effects.
- **Party:** Flashing and pulsating light patterns.

- **Music:** Light effects synchronized with sound (not directly sound-activated, but designed for music video aesthetics).
- **Fire:** Simulates flickering fire or candlelight.
- **Photo:** Flash lamp, Flash, Explosive flash.
- **Lightning:** Simulates lightning strikes.



Image 5: A visual representation of the 21 special light effects available in EFF mode, categorized for easy selection.

4.6 Video Demonstration

Your browser does not support the video tag.

Video 1: An official demonstration of the MOMAN MLQ-RGB Video Light, showcasing its features and various lighting capabilities.

5. CHARGING THE DEVICE

The MLQ-RGB features a built-in 2300mAh rechargeable battery. To charge the device, connect the included Type-C cable to the light's charging port and to a compatible USB power source (e.g., wall adapter, power bank, computer USB port). The charging indicator will show the battery status.

A full charge typically provides up to 8 hours of operation at low brightness settings, and at least 2 hours at 100% brightness.

Simplest but Strongest LED Light



Image 6: The MLQ-RGB light connected via its Type-C port for charging, highlighting its 2300mAh battery capacity and estimated battery life.

6. SPECIFICATIONS

Feature	Detail
Brand	Moman
Model	MLQ-RGB
Battery Life (Average)	2 Hours (at 100% brightness)
Connectivity Technology	USB (Type-C for charging)
Hardware Interface	USB
UPC	053742673735
Compatible Shoe Mount Type	Cold Shoe, Hot Shoe
Water Resistance Level	Not Water Resistant
Manufacturer Part Number	BLACKLEDLIGHT00

7. MAINTENANCE

To ensure the longevity and optimal performance of your MOMAN MLQ-RGB LED Video Light, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the light. Avoid using harsh chemicals or abrasive materials, which can damage the finish or LED panel.
- **Storage:** When not in use, store the light in a cool, dry place, away from direct sunlight and extreme temperatures. Use the provided carrying bag for protection during transport and storage.
- **Battery Care:** For extended storage, ensure the battery is charged to approximately 50-70% to maintain battery health. Avoid fully discharging the battery for long periods.
- **Avoid Water Exposure:** This device is not water-resistant. Keep it away from water, rain, and high humidity to prevent damage.

8. TROUBLESHOOTING

If you encounter issues with your MOMAN MLQ-RGB LED Video Light, please refer to the following common troubleshooting steps:

- **Light Not Turning On:** Ensure the battery is sufficiently charged. Connect the light to a power source using the Type-C cable and allow it to charge for at least 30 minutes before attempting to power it on again.
- **Inconsistent Brightness/Color:** Check that the light is not in a low-power state. Ensure all connections are secure if using external power. Reset the light by powering it off and on again.
- **Charging Issues:** Verify that the Type-C cable is properly connected to both the light and the power source. Try using a different Type-C cable or power adapter to rule out faulty accessories.
- **Controls Unresponsive:** Power off the device, wait a few seconds, and then power it back on. If the issue persists, ensure no debris is obstructing the buttons or dials.

If these steps do not resolve the issue, please contact customer support.

9. WARRANTY AND SUPPORT

Moman provides customer support for its products. For warranty information, technical assistance, or service inquiries, please refer to the official Moman website or contact their customer service department. They aim to reply within 24 hours on working days and provide solutions.

Professional Customer Service



Reply within 24 hours on working days,
provide solutions until you are satisfied



Photography Fill Light



Carrying Bag



Hot Shoe Mount



Type-C Charging
Cable

Image 7: An illustration of Moman's customer service commitment and the typical package contents, including the light, carrying bag, and Type-C charging cable.