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› Zhiyun FIVERAY M20 Combo Video Light User Manual

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Model: FIVERAY M20 Combo

1. INTRODUCTION

The Zhiyun FIVERAY M20 Combo is a compact and powerful bi-color LED video light designed for on-camera use and various creative lighting scenarios. Despite its small size, it delivers a 20W output with adjustable color temperature from 2700K to 6500K and professional dimming capabilities. It features an advanced cooling system and supports a range of magnetic accessories for versatile light shaping.

2. PRODUCT OVERVIEW

2.1 Components and Controls

Familiarize yourself with the main components and controls of your FIVERAY M20 Combo video light.



Figure 2.1: Front view of the FIVERAY M20 Combo with barn doors. The LED panel is visible, along with the main body and mounting screw.



Figure 2.2: Top view showing the control interface, including the power/mode button, display, and two adjustment dials for brightness and color temperature.

3. SETUP

3.1 Charging the Device

Before initial use, fully charge the FIVERAY M20 Combo using a USB-C cable. The device supports fast charging, allowing it to be used while charging.

3.2 Attaching Accessories

The FIVERAY M20 Combo utilizes a magnetic system for attaching various light modifiers. The combo package typically includes an extension bracket, diffuser, honeycomb grid, and 4-leaf barn doors.

- **Extension Bracket:** Attach the light to the extension bracket first.
- **Diffuser:** Magnetically attach the diffuser to soften the light output.
- **Honeycomb Grid:** Use the honeycomb grid to narrow the beam angle and control light spill.
- **4-Leaf Barn Doors:** Attach the barn doors to shape the light beam and prevent light from spilling onto unwanted areas.



Figure 3.1: Breakdown of the FIVERAY M20 Combo and its magnetic accessories.

3.3 Mounting the Light

The FIVERAY M20 Combo can be mounted using its cold shoe mount or the extension bracket. Its magnetic design also allows it to be attached to metallic surfaces.

Magnetic attraction

Background wall, desk, pillar, etc

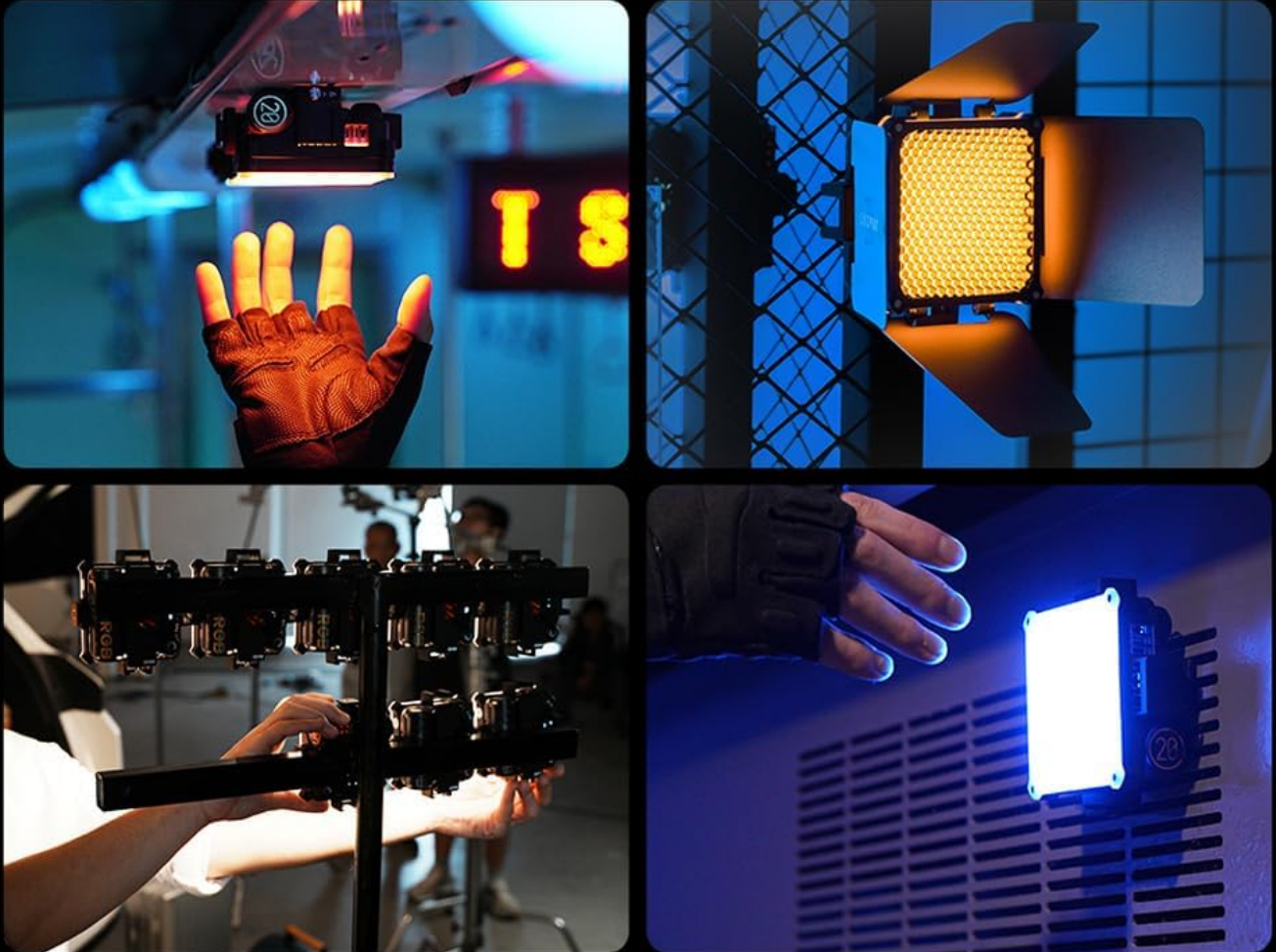


Figure 3.2: Examples of magnetic mounting and daisy-chaining multiple FIVERAY M20 lights.

4. OPERATION

4.1 Power On/Off

Press and hold the power button (marked with 'M') to turn the light on or off.

4.2 Brightness Adjustment

Rotate the designated dial to adjust the brightness level from 0% to 100%. The current brightness percentage will be displayed on the screen.

4.3 Color Temperature Adjustment (CCT Mode)

In CCT mode, rotate the color temperature dial to select a color temperature between 2700K (warm light) and 6500K (cool light).

4.4 Green-Magenta Control

The FIVERAY M20 Combo includes Green-Magenta control to fine-tune the color output, allowing for precise color matching and creative effects. Refer to the on-screen interface for adjustment options.

4.5 Special Lighting Effects

The device offers 10 creative lighting effects. Cycle through these effects using the mode button and adjust parameters like speed and temperature with the dials.

4.6 Memory Function

The FIVERAY M20 Combo features a memory function that allows you to quickly recall your preferred lighting settings.



Figure 4.1: The FIVERAY M20 provides significant brightness for various shooting needs.

5. BATTERY AND CHARGING

The FIVERAY M20 Combo is equipped with an internal battery. Battery runtime varies based on the power output setting:

- **20W Output:** Approximately 40 minutes (at 4300K)
- **10W Output:** Approximately 1 hour 20 minutes (at 4300K)
- **5W Output:** Approximately 3 hours (at 4300K)

These figures are based on internal laboratory tests with the light fully charged. For extended use, especially at higher power settings, it is recommended to connect the light to an external power bank via its USB-C port.



Figure 5.1: Battery runtime at various power settings.

6. COOLING SYSTEM

The FIVERAY M20 Combo integrates the exclusive DynaVort Cooling System MARK II. This system is designed to optimize airflow and reduce drag, effectively managing heat dissipation even during high-power operation. This ensures stable performance and extends the lifespan of the LED components.

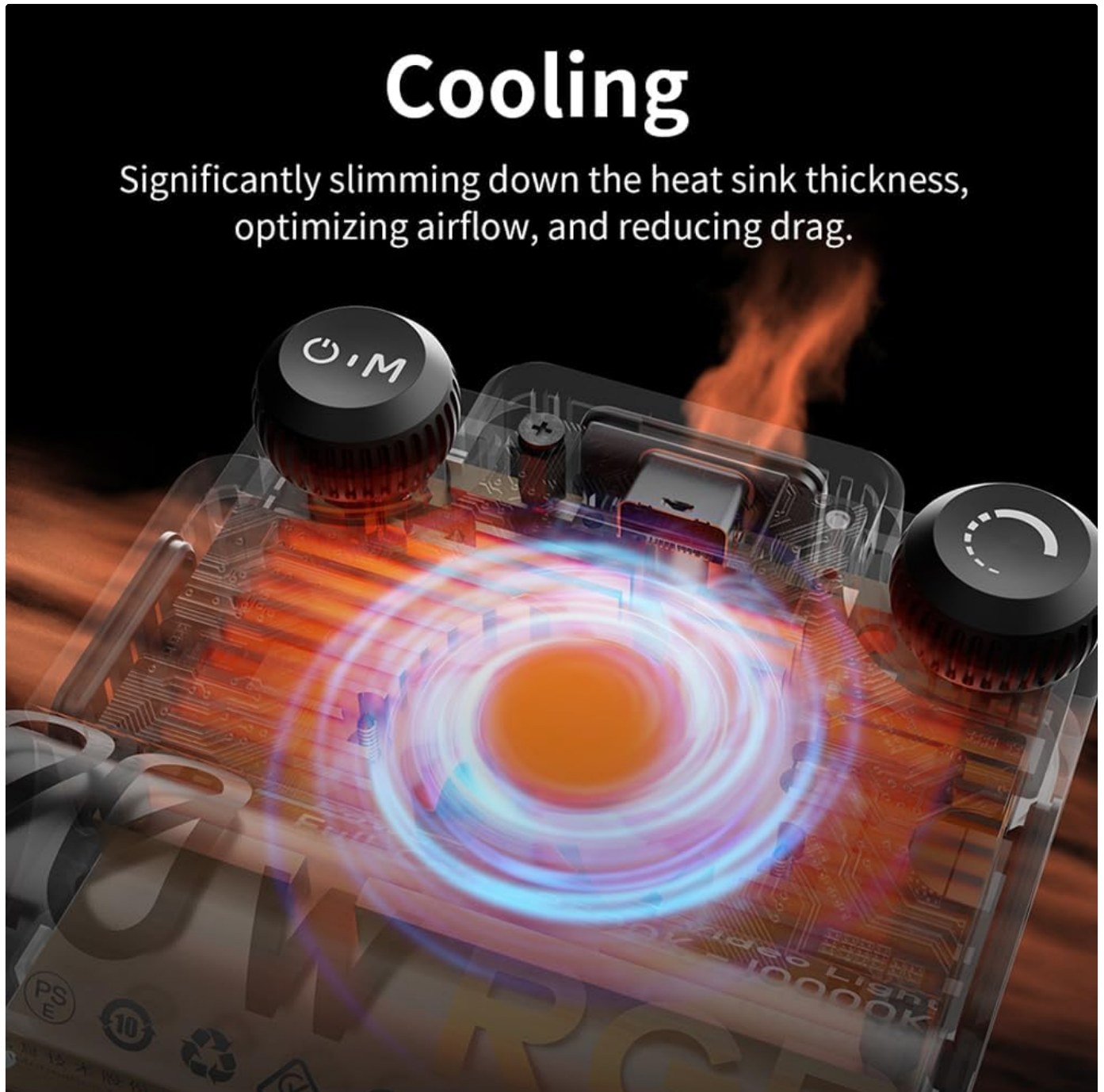


Figure 6.1: Illustration of the DynaVort Cooling System MARK II.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the light's surface. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the light in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, avoid completely discharging the battery frequently. If storing for an extended period, charge the battery to approximately 50-60%.

8. TROUBLESHOOTING

- **Light not turning on:** Ensure the battery is charged. Connect to a power source via USB-C and try again.
- **Overheating/Automatic Shutdown:** The light may reduce intensity or shut down if it detects excessive heat. This is a protective measure. Allow the unit to cool down. For prolonged high-power use, consider using it in a well-ventilated area or reducing the intensity.
- **Short Battery Life:** Battery performance can be affected by high power settings and environmental temperature. Ensure the light is fully charged before use. For longer sessions, use an external power bank.
- **Inconsistent Brightness/Color:** Check for any obstructions on the LED panel or ensure accessories are properly attached. If issues persist, perform a factory reset if available (refer to the device's on-screen menu for this option).

9. SPECIFICATIONS

Feature	Detail
Brand	ZHIYUN
Model	FIVERAY M20 Combo (ZHIYUN-M20/M20C)
Power Output	20W
Color Temperature	2700K - 6500K (Bi-Color)
CRI	≥95
TLCI	≥97
Peak Illuminance	2010 Lux (at 4300K/100% brightness, 0.5m)
Cooling System	DynaVort Cooling System MARK II
Battery Runtime (4300K)	20W: 40 min; 10W: 1h 20 min; 5W: 3h
Hardware Interface	USB-C
Flash Modes	Constant illumination, adjustable brightness, adjustable color temperature, 10 creative lighting effects
Water Resistance Level	Not Water Resistant

10. WARRANTY INFORMATION

The Zhiyun FIVERAY M20 Combo Video Light comes with a **1-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by misuse, accidents, unauthorized modifications, or normal wear and tear.

11. CUSTOMER SUPPORT

For further assistance, technical support, or warranty inquiries, please contact Zhiyun customer service. You can find contact information and additional resources on the official Zhiyun website or through the retailer where you purchased the product. Visit the [ZHIYUN Store on Amazon](#) for more product information and support resources.

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