RALENO PLV-S116

RALENO PLV-S116 LED Video Light Instruction Manual

Model: PLV-S116

1. INTRODUCTION

Thank you for purchasing the RALENO PLV-S116 LED Video Light. This manual provides essential information for the safe and effective operation of your device. Please read this manual thoroughly before use and retain it for future reference.

Safety Information

- Do not expose the device to rain or moisture.
- Do not disassemble or modify the device.
- Keep out of reach of children.
- Use only the specified charging cables and power adapters.
- Avoid direct eye exposure to the LED light.

2. PRODUCT OVERVIEW

The RALENO PLV-S116 is a portable LED video light designed for various photography and videography applications, including video conferencing, live streaming, and outdoor shooting. It features adjustable brightness and color temperature, a built-in rechargeable battery, and a soft light panel for uniform illumination.

Figure 2.1: RALENO PLV-S116 LED Video Light with included mini tripod.

Components

- **LED Light Panel:** Provides soft and uniform illumination.
- **HD LCD Display:** Shows battery level, brightness, and color temperature settings.
- **Brightness/Bi-Color Knob:** Adjusts light intensity and color temperature.
- **Power Switch:** Turns the device on or off.
- **Type-C Charging Port:** For charging the internal battery.
- **Hot Shoe Mount:** For attaching to cameras or other accessories.
- **1/4 Standard Screw Hole:** For mounting on tripods or light stands.

Built-in Rechargeable Battery Can Be Used While Charging

Overvoltage Protection · Overcurrent Protection · Overcharge Protection · Temperature Protection

Li-ion Battery — 3.7V/4000mAh

100% 5600K

Figure 2.2: Rear view of the LED video light, highlighting the LCD display, control knobs, and power switch.

3. SETUP

Attaching to a Camera or Tripod

1. **For Camera Hot Shoe:** Slide the hot shoe adapter of the LED light into your camera's hot shoe mount. Tighten the locking ring on the adapter to secure it.
2. **For Tripod/Light Stand:** The LED light features a 1/4 standard screw hole. Attach it directly to any compatible tripod or light stand. The included mini tripod can be used for desktop placement.

Wide Compatibility

Equiped with universal hot shoe and 1/4 standard screw hole
can be perfect for Stand, DSRL Cameras and so on

Figure 3.1: The LED light can be mounted on a camera via its hot shoe, or on a tripod/light stand using the 1/4-inch screw hole.

4. OPERATING INSTRUCTIONS

Power On/Off

Locate the power switch on the side/back of the unit. Flip the switch to the 'ON' position to power on the light. Flip it to 'OFF' to power off.

Adjusting Brightness and Color Temperature

The RALENO PLV-S116 features two control knobs on the back panel:

- **Brightness Adjustment:** Rotate the knob labeled 'BRIGHTNESS' to adjust the light intensity from 0% to 100%.

- **Color Temperature Adjustment:** Rotate the knob labeled 'COLOR TEMP' to change the color temperature from 3200K (warm light) to 5600K (cool daylight).

Figure 4.1: Demonstrates the effect of adjusting brightness and color temperature on subjects.

Understanding the HD LCD Display

The integrated HD LCD display provides real-time information about the light's settings:

- **Battery Indicator:** Shows the remaining battery charge.

- **Brightness Percentage:** Displays the current light intensity (0-100%).

- **Color Temperature:** Indicates the selected color temperature in Kelvin (K).

Figure 4.2: The HD LCD display provides clear information on current settings.

Soft Light Panel Technology

The PLV-S116 incorporates edge-lighting technology and a 4-layer diffuser system to produce soft, uniform light without harsh glare. This design ensures comfortable viewing and natural-looking results for your subjects.

Figure 4.3: Internal structure of the soft light panel with 4 diffuser layers.

5. CHARGING AND BATTERY

The RALENO PLV-S116 features a built-in 4000mAh Lithium-ion rechargeable battery, providing up to 120 minutes of operation at full brightness. The device can also be used while charging.

Charging Instructions

- Connect the provided Type-C USB cable to the charging port on the light.
- Connect the other end of the cable to a compatible USB power source (e.g., wall adapter, power bank, computer USB port).
- The battery indicator on the LCD display will show charging status.

Battery Protection Features

The integrated battery management system includes multiple protections:

- Overvoltage Protection
- Overcurrent Protection
- Overcharge Protection
- Temperature Protection

Figure 5.1: Internal view of the battery and its protective features.

6. Maintenance

Cleaning

To clean the device, use a soft, dry cloth. Do not use abrasive cleaners or solvents, as these may damage the surface or internal components. Ensure the device is powered off before cleaning.

Storage

Store the LED video light in a cool, dry place away from direct sunlight and extreme temperatures. If storing for an extended period, ensure the battery is partially charged (around 50%) to prolong its lifespan.

7. Troubleshooting

Common Issues and Solutions

- **Light does not turn on:**
  - Ensure the power switch is in the 'ON' position.
  - Check the battery level on the LCD display. If low, charge the device.

- **Light output is dim:**
  - Adjust the brightness knob to increase intensity.
  - Check battery level; low battery can affect maximum brightness.

- **Cannot adjust color temperature:**
  - Ensure the light is powered on.
  - Rotate the color temperature knob.

- **Device not charging:**
  - Verify the Type-C cable is securely connected to both the light and the power source.
  - Try a different USB power source or cable.

If you encounter issues not listed here, please refer to the support section.

8. Specifications

Feature	Detail
Model	PLV-S116
Brand	RALENO

Battery Type	Lithium-ion (1 included)
Battery Capacity	4000 mAh
Battery Life (Full Brightness)	Up to 120 minutes
Color Temperature Range	3200K - 5600K
Brightness Adjustment	0% - 100%
CRI	>95
Dimensions (L x W x H)	19.2 x 2.1 x 12.8 cm (7.5 x 0.8 x 5 inches)
Weight	388 Grams
Charging Interface	Type-C USB
Mounting Options	Universal Hot Shoe, 1/4 Standard Screw Hole
Compatible Devices	Cameras with hot shoe mount
Water Resistance Level	Water-resistant (Note: Not designed for submersion)
UPC	753215062744

9. WARRANTY AND SUPPORT

Warranty Information

Please refer to the warranty card included with your product or contact the retailer for specific warranty terms and conditions.

Customer Support

For technical assistance, troubleshooting, or product inquiries, please contact RALENO customer support through the retailer's platform or the official RALENO website. Have your model number (PLV-S116) and purchase details ready when contacting support.

Related Documents - PLV-S116

	[RALENO VL-S192K Video Lighting Kit User Manual](#) Comprehensive user manual for the RALENO VL-S192K Video Lighting Kit, covering features, specifications, installation, operation, safety guidelines, and support information for photographic and videographic applications.
	[RALENO PLV-C80 LED Video Light User Manual](#) This user manual provides detailed information on the RALENO PLV-C80 LED Video Light, including product features, operation instructions, specifications, package contents, and safety warnings. The manual is available in English, German, French, Italian, and Spanish.
	[RALENO PLV-S300 LED Video Light Quick Guide](#) Concise guide for setting up and using the RALENO PLV-S300 LED Video Light, including power connection, operation, and troubleshooting tips.
	[RALENO PLV-S192 LED Video Light User Manual](#) User manual for the RALENO PLV-S192 LED Video Light, detailing its features, specifications, installation, and usage instructions.
	[RALENO RGB-S116 LED Key Light User Manual](#) User manual for the RALENO RGB-S116 LED Key Light, detailing product features, installation, operation, safety tips, and cleaning instructions.
	[RALENO C30 Webcam User Manual](#) User manual for the RALENO C30 webcam, detailing setup, connection, usage, specifications, and professional support. Features full HD 1080p video and dual microphones for clear video calls.