Aputure LS 600c Pro II

Aputure LS 600c Pro II RGB LED Monolight (V-Mount)

USER INSTRUCTION MANUAL

Model: LS 600c Pro II (AP30332A20)

1. INTRODUCTION

The Aputure LS 600c Pro II is an advanced full-color RGB LED point source fixture designed for professional film sets and location shoots. This second-generation model features an upgraded small-diameter COB design, delivering significantly higher output efficiency and exceptional brightness. It offers comprehensive color control, robust power options, and weather resistance for diverse production environments.

2. SAFETY INFORMATION

- Do not look directly into the light source when the fixture is powered on.
- Ensure proper ventilation to prevent overheating.
- Use only Aputure-approved accessories and power supplies.
- Keep the fixture away from water and flammable liquids, unless specifically designed for such environments (refer to IP rating).
- Always secure the fixture properly on a stand or rigging point.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Aputure LS 600c Pro II RGB LED Monolight Head
- Control Box (V-Mount)
- Hyper Reflector
- Power Cable
- Clamp
- Carrying Case

Figure 1: Aputure LS 600c Pro II carrying case.

Figure 2: Aputure LS 600c Pro II light head with hyper reflector.

4. PRODUCT OVERVIEW

The LS 600c Pro II consists of the light head and a separate control box. The light head features a Bowens mount for attaching various light modifiers, while the control box provides all necessary controls and power inputs.

Figure 3: The Aputure LS 600c Pro II light head mounted on a stand.

Figure 4: The Aputure LS 600c Pro II control box with display and controls.

5. SETUP

1. **Mounting the Light Head:** Attach the LS 600c Pro II light head to a compatible light stand using the included clamp. Ensure it is securely fastened.

2. **Attaching the Reflector:** Align the hyper reflector with the Bowens mount on the light head and twist clockwise until it locks into place.

3. **Connecting the Control Box:** Connect the light head to the control box using the provided head cable. Ensure the connection is firm.

4. **Powering the Fixture:**
   - **AC Power:** Connect the power cable to the control box and then to a suitable AC power outlet.
   - **V-Mount Battery Power:** Attach compatible V-Mount batteries (14.4V, 26V, 28.8V) to the battery plates on the control box.
   - **48V DC Input:** Utilize the 48V (15A) DC input for alternative power sources.

Figure 5: The power cable for the LS 600c Pro II.

Figure 6: The clamp for mounting the LS 600c Pro II.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation

Turn on the fixture using the power button on the control box. The display will show the current settings.

6.2 Lighting Modes

The LS 600c Pro II offers six lighting modes:

- **CCT Mode:** Adjust color temperature from 2300K to 10000K with full plus/minus green magenta control.
- **Advanced HSI Mode:** Control Hue, Saturation, and Intensity for precise color selection.
- **RGB Mode:** Direct control over Red, Green, and Blue channels.
- **GEL Mode:** Access a library of pre-set lighting gels.
- **XY Coordinate Mode:** Fine-tune color using XY coordinates for advanced users.
- **Source Mode:** Replicate light from various common sources.

6.3 Dimming Control

The fixture supports smooth 0.1% to 100% stepless brightness control, ensuring precise light output adjustments even at very low levels.

6.4 Control Options

The LS 600c Pro II integrates seamlessly into professional lighting workflows with multiple control options:

- **On-board Controls:** Use the physical buttons and dials on the control box.
- **Sidus Link App:** Control the fixture wirelessly via Bluetooth using the Sidus Link mobile application.
- **DMX512:** Connect to a DMX console for wired control (16-bit DMX512).
- **LumenRadio CRMX:** Utilize built-in LumenRadio CRMX for wireless DMX control.
- **Art-net & sACN Ethernet:** Integrate into larger network-based lighting systems.

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Video 1: Aputure Storm Series Product Walkthrough. This video demonstrates the features and control options of the Aputure Storm series, including CCT, green/magenta control, and various connectivity methods, which are also present in the LS 600c Pro II.

7. ADVANCED FEATURES

7.1 Blair Light Engine

The LS 600c Pro II incorporates the Blair Light Engine, which includes blue, lime, amber, indigo, and red LEDs. This technology provides superior color accuracy, especially in white light output, and allows for better rendering of fluorescent materials under near UV light, matching actual daylight and tungsten sources more closely. It achieves high SSI (Spectral Similarity Index) ratings of 87 in Tungsten and 85 in Daylight.

7.2 HyperSync Technology

Equipped with HyperSync technology, the LS 600c Pro II ensures flicker-free operation during shooting, crucial for high-speed videography.

7.3 ProLock Bowens Mount

The industry-standard Bowens mount now features a ProLock locking mechanism, ensuring that light modifiers are securely attached and aligned, enhancing efficiency and safety.

Figure 7: Close-up view of the Bowens mount on the LS 600c Pro II.

7.4 IP54 Weather Resistance

The LS 600c Pro II light head, control box, and associated cables are IP54 rated, meaning they can withstand jets of water from any direction and are protected against dust ingress. This makes the fixture suitable for use in various outdoor and challenging weather conditions.

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Video 2: Aputure Storm 80c RGB LED Light. This video showcases features like Blair-CG, wide CCT range, full +/- green control, and the new Mini ProLock Bowens Mount, which are relevant to the LS 600c Pro II.

8. MAINTENANCE

- Regularly clean the light fixture and reflector with a soft, dry cloth.
- Ensure all cables and connections are free from damage before each use.
- Store the fixture in its carrying case in a dry, cool environment when not in use.
- Do not attempt to disassemble or repair the fixture yourself. Contact authorized service personnel.

9. TROUBLESHOOTING

- **No Power:** Check all power connections (AC, battery, DC). Ensure batteries are charged.
- **Flickering Light:** Verify power stability. Check for loose cable connections. Ensure HyperSync is enabled if applicable.
- **Control Issues:** Restart the fixture and control device (e.g., Sidus Link app, DMX console). Check Bluetooth or DMX connections.

- **Overheating:** Ensure adequate ventilation around the fixture. Reduce intensity if operating in high ambient temperatures.
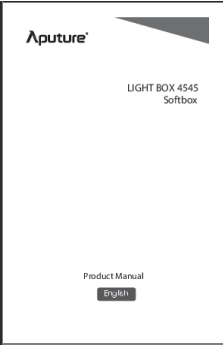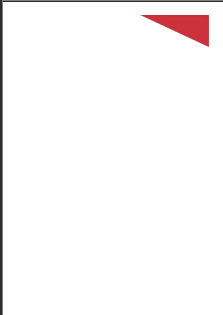
10. SPECIFICATIONS
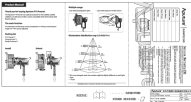
Feature	Detail
Model Number	AP30332A20
Product Dimensions	9.1 x 9.1 x 9.1 inches
Item Weight	13 pounds
CCT Range	2300K to 10000K
Color Space Coverage	90% Rec.2020
Dimming	0.1% to 100% Stepless
Mount Type	Bowens Mount (ProLock)
Power Options	AC, V-Mount Battery (14.4V, 26V, 28.8V), 48V (15A) DC
Weather Resistance	IP54
Connectivity Technology	USB, Bluetooth, DMX512, LumenRadio CRMX, Art-net, sACN Ethernet

11. WARRANTY & SUPPORT

For warranty information and technical support, please refer to the official Aputure website or contact your local distributor. Keep your proof of purchase for any warranty claims.

Related Documents - LS 600c Pro II

[Aputure Light Box 4545 Softbox Product Manual](#)
Comprehensive product manual for the Aputure Light Box 45x45 softbox, covering safety instructions, components list, installation guide, technical specifications, and compatibility information for professional photography lighting.

[Aputure CF10 Fresnel and Barn Doors Kit User Manual](#)
User manual for the Aputure CF10 Fresnel and Barn Doors Kit, detailing attachment, installation, specifications, and safety instructions for professional lighting modifiers.

Aputure LIGHT BOX 4545 Softbox Product Manual English	**Aputure Light Box 4545 Softbox Product Manual** Comprehensive product manual for the Aputure Light Box 4545 softbox. This guide details the product's features, components, important safety instructions, installation steps, and technical specifications, designed for photography and videography lighting.
Aputure Light Storm LS 600c Pro Product Manual English	**Aputure Light Storm LS 600c Pro Product Manual** Comprehensive product manual for the Aputure Light Storm LS 600c Pro RGBWW COB light, covering setup, operation, safety, specifications, and advanced features like DMX and Sidus Link control.
	Aputure F10 Fresnel Product Manual - Lighting Modifier Comprehensive product manual for the Aputure F10 Fresnel, an optical accessory designed to increase light output and adjust beam angle for professional photography and videography lighting. Details compatibility, installation, usage, and warranty information.
Aputure Light Storm LS C300d II Product Manual English	**Aputure Light Storm C300d Mark II LED Light Kit User Manual** User manual for the Aputure Light Storm C300d Mark II LED Light Kit, detailing operation modes and trigger functions. Includes information on lightning and explosion effects.