

Aputure LS 600d Pro

Aputure LS 600d Pro Light Instruction Manual

LED Video Light with V-Mount

1. INTRODUCTION

This manual provides essential information for the safe and effective operation of your Aputure LS 600d Pro Light. Please read this manual thoroughly before using the product to ensure proper setup, usage, and maintenance. Keep this manual for future reference.



Figure 1.1: Aputure LS 600d Pro Light with reflector.

2. WHAT'S IN THE BOX

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

- Aputure LS 600d Pro Lamp Head
- Aputure LS 600d Control Box
- LS 600 Series Hyper Reflector
- LS 600 Series 5-Pin Weatherproof Head Cable (3m)
- Neutrik powerCON AC Power Cable (6m)
- VA-Remote RC1+
- Lightning Clamp
- LS 600d Pro Rolling Carrying Case



Figure 2.1: Package contents overview.

3. PRODUCT FEATURES

- **Impeccable Color Accuracy:** The LS 600d Pro offers high color fidelity with $CRI \geq 96$, $TLCI \geq 96$, $CQS \geq 95$, and an SSI (D56) score of 72. It maintains a consistent color temperature of $5600 \pm 200K$.
- **Weather-Resistant Design:** Engineered with waterproof fans, sealed internal structures, rubber caps for all ports, and weatherproof connectors, the LS 600d Pro is designed to operate reliably in various challenging weather conditions.
- **Precise Stepless Dimming:** This model introduces enhanced, smooth, stepless dimming with fine 0.1% increments, allowing for precise light output adjustments.
- **Professional Control Options:** Control the light using on-board controls, the included 2.4G remote, DMX512 5-Pin XLR In and Out, Sidus Link app, and it is the first Aputure light to support ArtNet and LumenRadio wireless DMX compatibility.
- **Intelligent Power System:** Features a standard 3-pin XLR 48V (15A) DC input and multi-voltage V-Mount or Gold Mount battery plates, supporting 14.4V, 26V, and 28.8V batteries. Note that battery power may result in half power output.
- **Four Dimming Curves:** Select from four distinct dimming curve options (Linear, Exponential, Logarithmic, S-Curve) to tailor light behavior to specific production needs.
- **Active Cooling System:** An ultra-quiet and powerful heat-conducting fan ensures efficient heat dissipation, operating at ≤ 30 decibels at 1 meter to minimize noise interference on set.
- **Sidus Link Ecosystem Integration:** Sidus Mesh technology enables control of the 600d Pro from smartphones or tablets via the Sidus Link mobile app, with a range of up to 400 meters when integrated with other compatible fixtures.



Figure 3.1: Weather resistance and connectivity features.

4. SETUP INSTRUCTIONS

1. **Mounting the Lamp Head:** Securely attach the LS 600d Pro Lamp Head to a compatible light stand using the integrated mounting bracket. Ensure the stand is stable and capable of supporting the light's weight.
2. **Connecting the Control Box:** Connect the LS 600d Control Box to the Lamp Head using the provided 5-Pin Weatherproof Head Cable. Ensure the connection is firm and secure. The control box can be hung from the stand using the Lightning Clamp for convenience.
3. **Attaching the Reflector:** Align the LS 600 Series Hyper Reflector with the front of the lamp head and twist to lock it into place.
4. **Power Connection:** Connect the Neutrik powerCON AC Power Cable to the control box and then to a suitable power outlet. Alternatively, attach V-Mount or Gold Mount batteries to the battery plates on the control box.



Figure 4.1: Light/Control Separation for flexible setup.



Figure 4.2: 360-degree rotation U-shaped bracket.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

After connecting the power source, press the power button on the control box to turn the light on or off. The display screen will illuminate upon power-on.

5.2 Dimming Control

Use the control knob on the control box to adjust the light intensity. The LS 600d Pro allows for precise adjustments in 0.1% increments from 0% to 100%.



Figure 5.1: Control box interface with dimming display.

5.3 Dimming Curves

The LS 600d Pro offers four dimming curve options: Linear, Exponential, Logarithmic, and S-Curve. These can be selected via the control box menu to match specific lighting requirements and creative preferences.

5.4 Control Options

- **On-board Controls:** Directly adjust settings using the buttons and knob on the control box.
- **2.4G Remote:** Use the included VA-Remote RC1+ for wireless control of basic functions.
- **Sidus Link App:** Download the Sidus Link mobile app to control the light via Bluetooth. This allows for advanced settings, effects, and integration with other Aputure fixtures.
- **DMX512:** Connect via 5-Pin XLR for professional DMX control.
- **ArtNet & LumenRadio:** Utilize ArtNet or LumenRadio wireless DMX for advanced network control in professional environments.



Figure 5.2: Sidus Link App control interface.

6. POWERING THE DEVICE

The Aputure LS 600d Pro offers versatile power options:

- **AC Power Supply:** The light operates on 100V~240V AC, 50Hz/60Hz, with an 8A current draw. Use the provided Neutrik powerCON AC Power Cable.
- **V-Mount Battery Plate:** The control box features multi-voltage V-Mount battery plates, compatible with 14.4V, 26V, and 28.8V batteries. Note that using batteries may limit the light to half power output.
- **48V/15A DC Input:** A standard 3-pin XLR 48V (15A) DC input is available for external DC power sources, supporting up to 750W.



Figure 6.1: Power input options.

7. MAINTENANCE

- **Cleaning:** Regularly clean the light fixture and control box with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure the cooling vents are free from dust and debris to maintain optimal performance.
- **Storage:** When not in use, store the LS 600d Pro in its rolling carrying case in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Cable Inspection:** Periodically inspect all cables for any signs of wear, damage, or fraying. Replace damaged cables immediately to prevent electrical hazards.



Figure 7.1: Rolling Carrying Case for protection.

8. TROUBLESHOOTING

- **Light Not Turning On:**

- Check all power connections (AC cable, DC input, or batteries) to ensure they are securely connected.
- Verify that the power source is active and providing sufficient power.
- Ensure the power button on the control box is pressed firmly.

- **No Light Output:**

- Confirm the dimming level is not set to 0%.
- Check the head cable connection between the lamp head and the control box.

- **Remote Control Not Responding:**

- Ensure the remote's batteries are not depleted.
- Verify there are no obstructions between the remote and the light's receiver.
- Re-pair the remote with the light if necessary (refer to the pairing instructions in the full manual).

- **Sidus Link App Connectivity Issues:**

- Ensure Bluetooth is enabled on your mobile device.
- Make sure the light is within range of your device.
- Restart the Sidus Link app and the light fixture.

9. SPECIFICATIONS

Product Dimensions	23.62 x 16.54 x 14.57 inches
Item Weight	40.5 pounds
Brand	Aputure
Manufacturer	Aputure
Connectivity Technology	Bluetooth, Ethernet
Hardware Interface	Bluetooth
Batteries	1 CR2 battery required (included)
First Available	December 10, 2022

10. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please visit the official Aputure website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty claims.

Official Aputure Website: www.aputure.com

