

YONGNUO YN-600

YONGNUO YN600L Pro LED Video Light User Manual

Model: YN-600

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1. INTRODUCTION

The YONGNUO YN600L Pro LED Video Light is a high-performance lighting solution designed for professional photography and videography. It features 600 high-quality LED lamp beads with a fixed 5600K color temperature, providing consistent and bright illumination. The light offers adjustable brightness, allowing precise control over your lighting setup. Its robust design and intuitive controls make it suitable for various shooting environments, from studio work to on-location productions.

2. SAFETY PRECAUTIONS

To ensure safe and optimal operation of your YONGNUO YN600L Pro LED Video Light, please observe the following safety guidelines:

- Do not look directly into the LED light when it is operating at high brightness to prevent eye strain or damage.
- Keep the device away from water, moisture, and high humidity environments. Do not operate with wet hands.
- Use only the specified power adapter (12V5A DC, not included) or compatible NP-F series lithium batteries (not included). Using incorrect power sources may damage the device or pose a fire hazard.
- Ensure adequate ventilation around the light during operation to prevent overheating. Do not cover the ventilation slots.
- Keep the product out of reach of children.
- Do not attempt to disassemble, repair, or modify the unit yourself. Refer all servicing to qualified personnel.
- Avoid dropping or subjecting the light to strong impacts.
- Clean the light with a soft, dry cloth only. Do not use solvents or abrasive cleaners.

3. PACKAGE CONTENTS

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

- 1 x YONGNUO YN600L Pro LED Video Light (5600K)
- 1 x Remote Controller
- 1 x Handgrip
- 2 x CT Filters (Orange and White)
- 1 x User Manual



Image: Contents of the YN600L Pro package, showing the LED light panel, remote control, handgrip, and two color temperature filters (orange and white).

4. PRODUCT OVERVIEW

Familiarize yourself with the main components of the YONGNUO YN600L Pro LED Video Light.

4.1 Front Panel



Image: Front view of the YN600L Pro LED Video Light, showcasing the 600 LED beads and the adjustable barn doors in an open position.

- **LED Panel:** Contains 600 high-brightness LED beads.
- **Barn Doors:** Four adjustable flaps to shape and control the light output.
- **Filter Slots:** Grooves on the sides for inserting color temperature filters.

4.2 Rear Panel and Controls



Image: Rear view of the YN600L Pro LED Video Light, displaying the dual battery compartments, digital display, control buttons, dimming knob, DC power input, and cooling fan.

- **Digital Display:** Shows brightness level and battery status.
- **Dimming Knob:** Used to adjust the brightness of the LED light.
- **Power Button:** Turns the light on or off.
- **Battery Compartments:** Two slots for NP-F series lithium batteries (batteries not included).
- **DC Power Input:** For connecting an external 12V5A AC adapter (adapter not included).
- **Cooling Fan:** Dissipates heat during extended operation.
- **Remote Sensor:** Receives signals from the infrared remote controller.

4.3 Remote Controller

The included infrared remote controller allows for convenient wireless adjustment of brightness and power.

36W

YN600L

600pcs

Lamp Beads

4800LM

Lumen

RA \geq 95**Infrared Remote Controller**

Image: The YN600L Pro LED Video Light shown alongside its infrared remote controller, highlighting key specifications like 600 lamp beads, 4800 lumens, and RA \geq 95.

5. SETUP

5.1 Power Supply Options

The YN600L Pro offers two power supply methods:

1. **Battery Power (NP-F Series):**

Insert two compatible NP-F series lithium batteries (e.g., NP-F750, NP-F970) into the battery compartments on the rear panel. Ensure correct polarity. Batteries are not included and must be purchased separately.

2. **External AC Adapter:**

Connect a 12V5A DC power adapter (not included) to the DC power input port on the rear panel. The light will automatically switch to external power when connected. Ensure the adapter meets the specified voltage and current requirements.

5.2 Mounting the Light

1. **Handgrip Installation:**

Attach the included handgrip to the mounting screw located at the bottom of the light. Tighten

securely for handheld operation.

2. Light Stand Mounting:

The light features a standard 1/4-inch screw thread at the bottom, allowing it to be mounted onto most light stands or tripods. Secure the light firmly to prevent accidental detachment.

5.3 Installing Color Temperature Filters

The YN600L Pro comes with two CT filters (orange and white) to modify the light's color temperature or diffusion.

1. Slide the desired filter into the filter slots located on the sides of the LED panel.
2. Ensure the filter is securely seated and does not obstruct the barn doors' movement.
3. The orange filter can be used to warm the light, while the white filter provides diffusion.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

- Press the **Power Button** on the rear panel to turn the light on. The digital display will illuminate.
- Press the **Power Button** again to turn the light off.

6.2 Adjusting Brightness

- Rotate the **Dimming Knob** clockwise to increase brightness.
- Rotate the **Dimming Knob** counter-clockwise to decrease brightness.
- The current brightness level will be displayed on the digital screen.
- For fine-tuning, press the dimming knob once to switch to fine-tuning mode, allowing for smaller incremental adjustments. Press again to return to coarse adjustment.

6.3 Using the Remote Controller

The infrared remote controller allows for wireless control of the light.

- Point the remote controller towards the remote sensor on the rear panel of the light.
- Use the power button on the remote to turn the light on or off.
- Use the brightness adjustment buttons on the remote to increase or decrease the light intensity.
- The remote can also control multiple YONGNUO lights by setting them to different groups (refer to remote controller manual for detailed grouping instructions, if applicable).

7. MAINTENANCE

- **Cleaning:** Regularly clean the light panel and housing with a soft, dry, lint-free cloth. Do not use liquid cleaners, aerosols, or solvents.
- **Storage:** When not in use, store the YN600L Pro in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Battery Care:** If using batteries, remove them if the light will not be used for an extended period. Store batteries separately in a cool, dry place.
- **Ventilation:** Ensure the cooling fan and ventilation slots remain clear of dust and debris to maintain optimal performance and prevent overheating.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	No power supply. Batteries are depleted or incorrectly inserted. AC adapter is not connected or faulty.	Connect a power source. Check battery charge and polarity. Replace or recharge batteries. Ensure AC adapter is properly connected and functional.
Brightness cannot be adjusted.	Dimming knob malfunction. Remote control battery depleted or out of range.	Try adjusting with the remote control. Replace remote control battery or move closer to the light.
Light flickers or has inconsistent output.	Low battery power. Faulty power connection.	Recharge or replace batteries. Check AC adapter connection.
Cooling fan is noisy or not operating.	Dust accumulation. Fan malfunction.	Clean ventilation slots. If noise persists or fan fails, contact customer support.

9. SPECIFICATIONS

Feature	Detail
Model	YN-600
Light Source	600 LED Beads
Color Temperature	5600K
Color Rendering Index (CRI)	≥95
Lumen	4800 LM
Power	36W
Product Dimensions	9.02 x 4.88 x 4.13 inches
Item Weight	1.43 pounds
Power Supply	2 x NP-F Series Lithium Batteries (not included) or External 12V5A DC Power Adapter (not included)
Battery Life (approx.)	2 Hours (with compatible batteries)
Control Method	Dimming Knob, Infrared Remote Controller

10. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official YONGNUO website or contact your local distributor. Keep your purchase receipt as proof of purchase for warranty

claims.

Official YONGNUO Store: [YONGNUO Amazon Store](#)