NEEWER AP150B

NEEWER 150W Bi Color LED Panel Video Light Kit (AP150B) Instruction Manual

Model: AP150B

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective operation of your NEEWER 150W Bi Color LED Panel Video Light Kit, model AP150B. This professional-grade lighting equipment is designed for various applications including video podcasts, studio photoshoots, interviews, product photography, portrait photography, and live streaming. Please read this manual thoroughly before use and retain it for future reference.

2. SAFETY INFORMATION

- Do not expose the light to rain or moisture.
- Avoid direct eye exposure to the light source.
- Ensure proper ventilation to prevent overheating.
- Use only the specified power adapter or compatible V-mount batteries.
- Keep out of reach of children.
- Disconnect power before cleaning or maintenance.

3. PACKAGE CONTENTS

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

- 1 x AP150B Bi Color LED Panel Light
- 1 x Power Adapter
- 1 x AC Power Cord
- 2 x Safety Rope

- 1 x Carrying Bag
- 1 x User Manual

PACKAGE CONTENTS

20.6" / 52.3cm

3.4"/8.6cm

16.9" / 43cm

1 x Power Adapter

1 x Power Cord

1 × AP150B LED Video Light

2 × Hook Piece

1 x Storage Bag

Figure 3.1: NEEWER AP150B Package Contents

4. SETUP

4.1 Mounting the Light

The AP150B features a U-shaped bracket for flexible angle adjustment and can be mounted on a light stand or other compatible support using its standard mounting points. Ensure the safety ropes are used when mounting the light overhead or in high positions.
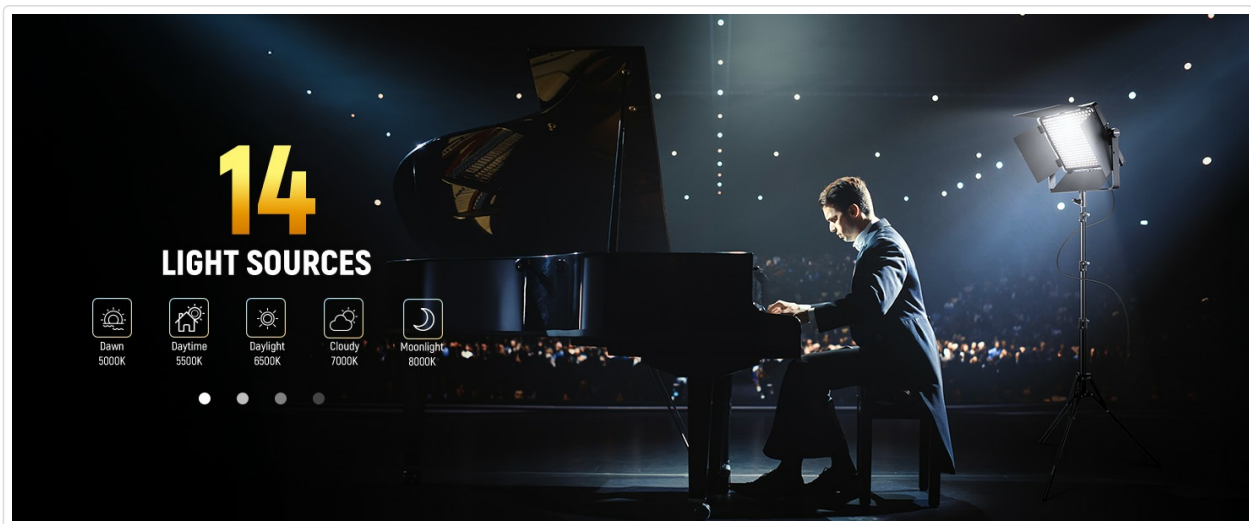
Figure 4.1: Angle Adjustment and Mounting

4.2 Powering the Light

The AP150B offers dual power options for versatile use:

- **AC Power:** For indoor use, connect the included 20V AC adapter and power cord to the DC input port on the back of the light. The DC port features a locking design to prevent accidental disconnection.

- **V-Mount Battery Power:** For outdoor or portable use, a V-mount battery (14.8-26V) and a D-tap to 4-pin cable (both sold separately) can be used. Attach the V-mount battery to the designated slot and connect the D-tap cable.

Figure 4.2: Dual Power Options

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

Locate the power switch on the back panel of the light. Flip the switch to the 'ON' position to power on the device. The TFT color display will illuminate, showing current settings. Flip the switch to 'OFF' to power down.

5.2 Adjusting Brightness and Color Temperature

The AP150B offers precise control over its output:

- **Brightness:** Adjust the dimming from 0% to 100% in 0.1% increments using the dedicated knob on the control panel. The light utilizes PWM technology for smooth and fine dimming.

- **Color Temperature:** Adjust the color temperature from 2500K (warm) to 8500K (cool) in 100K increments using the dedicated knob.

Figure 5.1: Color Temperature and Brightness Adjustment

5.3 Lighting Modes

The AP150B provides three distinct lighting modes:

- **CCT Mode:** Allows precise adjustment of color temperature (2500K-8500K) and brightness.
- **FX Mode:** Features 13 built-in scene effects for creative lighting scenarios.
- **SOURCE Mode:** Supports 14 source matching options to replicate various light sources.
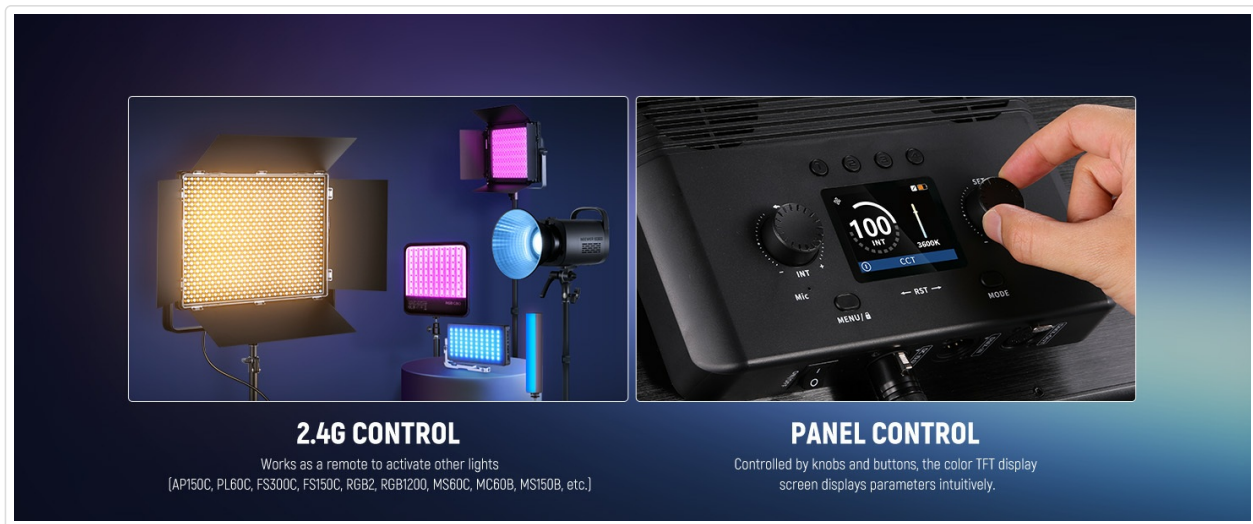

Figure 5.2: FX Mode Scene Effects

Figure 5.3: SOURCE Mode Light Sources

5.4 Dimming Curves

The AP150B offers four dimming curves to suit different lighting preferences and applications:

- Exponential
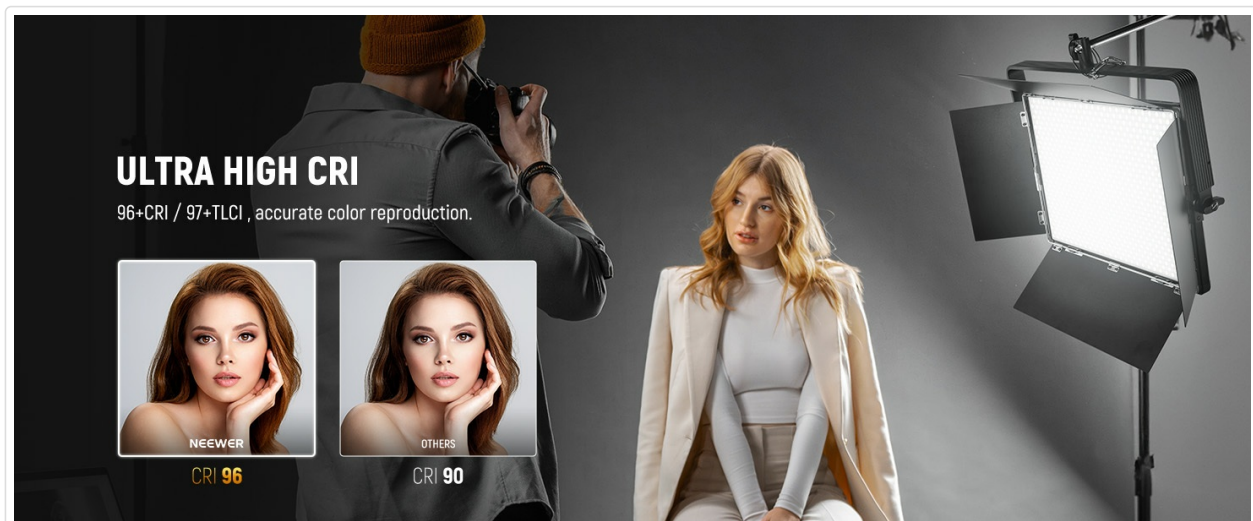- Logarithmic
- S-curve
- Linear

Figure 5.4: Dimming Curves and Control Panel

5.5 Control Methods

Control your AP150B light using one of four convenient methods:

- **Panel Control:** Directly adjust parameters using the knobs and buttons on the light's TFT color display.
- **NEEWER APP:** Download the NEEWER APP for wireless control and multi-light group management via your smartphone (iOS/Android).
- **2.4G Control:** Utilize the built-in 2.4G module for master and slave light control with other compatible NEEWER lights (e.g., AP150C, PL60C, FS300C).
- **DMX Control:** Connect to a DMX console via the 5-pin DMX port for complex multi-light setups in professional studios or stages.
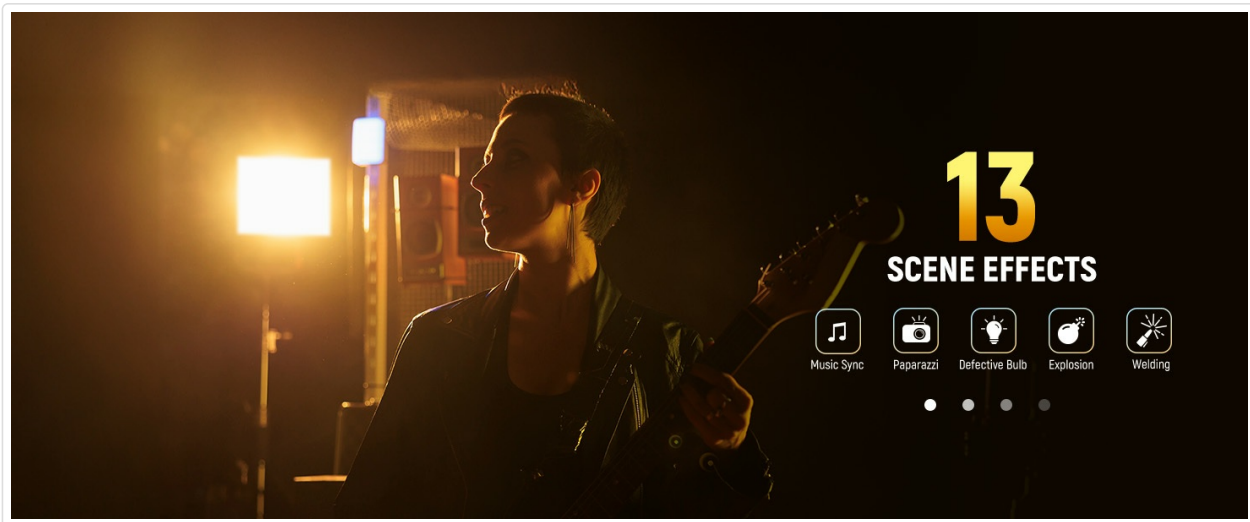
Figure 5.5: Multiple Control Methods

5.6 Cooling Fan and FM Mode

The AP150B features a super quiet cooling system with multiple fan modes to optimize for on-set recording:

- **Fan Modes:** Choose between Smart, Medium, High, and Silent modes to manage fan noise while maintaining 100% full power output.
- **Intelligent FM Mode:** Adjusts the light frequency to prevent flickering during high-speed shooting, ensuring stable video capture.
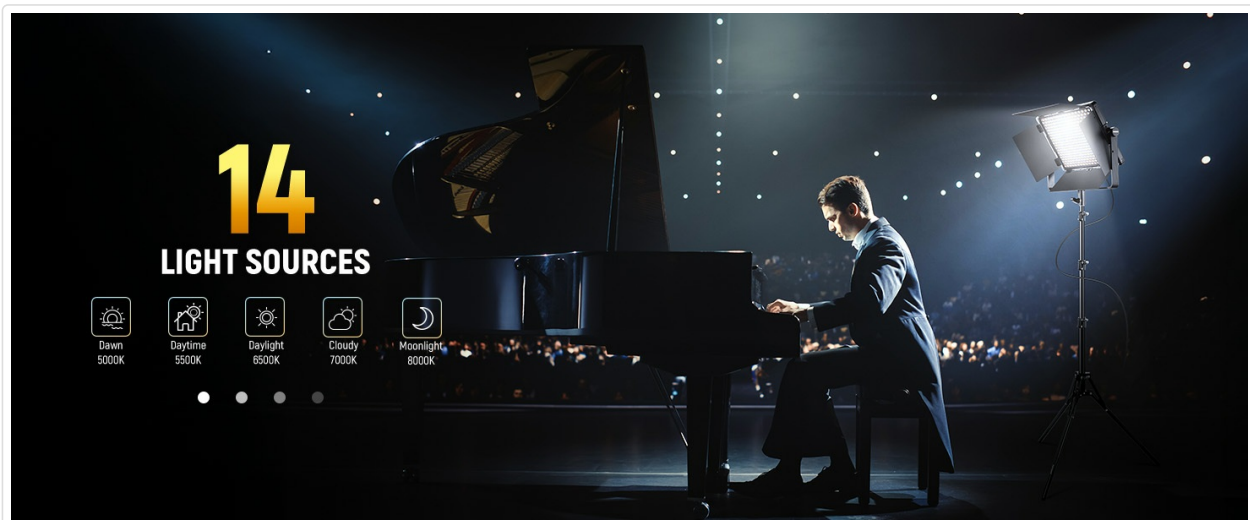

Figure 5.6: Silent Cooling Fan and Fan Modes

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the light panel and casing. Avoid abrasive cleaners or solvents.
- **Storage:** Store the light in its carrying bag in a cool, dry place when not in use.
- **Inspection:** Regularly check cables and connections for any signs of wear or damage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Light does not turn on	No power, loose connection, faulty adapter/battery.	Check power source, ensure connections are secure, try a different power source.
Light flickers	Incorrect FM mode setting, unstable power supply.	Activate Intelligent FM mode, ensure stable power, try a different power outlet.
Cannot control via APP/2.4G	Bluetooth/2.4G not enabled, out of range, interference.	Ensure APP/2.4G is active on both devices, move closer to the light, check for interference.

8. SPECIFICATIONS

Feature	Specification
Model	AP150B
Power	150W
LED Quantity	1440 LEDs
Illuminance	49500Lux@0.5m, 17200Lux@1m (at 6500K)
Color Temperature	2500K-8500K (100K increments)
CRI	96+
TLCI	97+
Dimming Range	0-100% (0.1% increments)
Control Methods	APP, 2.4G, Panel, DMX
Power Input	20V AC Adapter or 14.8-26V V-mount Battery
Item Weight	16.37 pounds
Package Dimensions	22.6 x 20.4 x 4.9 inches

9. WARRANTY AND SUPPORT

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

Online resources and FAQs may also be available on the NEEWER support page.www.neewer.com/support