

Aputure APM0300A1G

Aputure Infinibar PB6 Pixel Bar Instruction Manual

Model: APM0300A1G

1. PRODUCT OVERVIEW

The Aputure Infinibar PB6 is a flexible, wireless, and versatile RGBWW full-color LED pixel bar designed for professional lighting applications. It features 48 individual pixels, an integrated battery, and advanced connectivity options, making it suitable for creating dynamic and colorful lighting designs. This 2-foot (60 cm) pixel bar excels in building unique shapes and effects, bringing scenes to life with its infinite blending design.

This bundle includes the Aputure Infinibar PB6 Pixel Bar and the Aputure INFINIBAR PB6 Rectangular LED Light Modifier Softbox with a 45-Degree Grid.

2. WHAT'S INCLUDED

Before proceeding with setup, please verify that all components are present in your package.

WHAT'S IN THE BOX



- APUTURE INFINIBAR PB6 FLEXIBLE, WIRELESS, VERSATILE, AND EASY TO MOUNT PIXEL BAR WITH BATTERY
- APUTURE INFINIBAR PB6 RECTANGULAR LED LIGHT MODIFIER SOFTBOX WITH 45-DEGREE GRID FOR FILM

Figure 2.1: Contents of the Aputure Infinibar PB6 bundle. This image displays the Aputure Infinibar PB6 pixel bar, its dedicated softbox with grid, power adapter, various cables, and a carrying case, illustrating all items included in the product package.

- Aputure Infinibar PB6 Flexible, Wireless, Versatile, and Easy to Mount Pixel Bar with Battery
- Aputure INFINIBAR PB6 Rectangular LED Light Modifier Softbox with 45-Degree Grid
- Power Adapter and Cables
- Carrying Case
- Mounting Accessories (e.g., bracket mount)
- User Manual (this document)

3. SETUP AND ASSEMBLY

3.1 Initial Charging

The Infinibar PB6 features a built-in 29.6Wh Lithium battery. For optimal performance, fully charge the device before its first use. Connect the provided power adapter to the Infinibar PB6 and a suitable power outlet. The charging indicator will provide status updates.

3.2 Mounting the Infinibar PB6

The Infinibar PB6 supports various mounting options, including bracket mounts. Securely attach the pixel bar to your desired stand or rigging using the appropriate mounting accessories. Ensure the mounting point is stable and capable of supporting the weight of the unit.

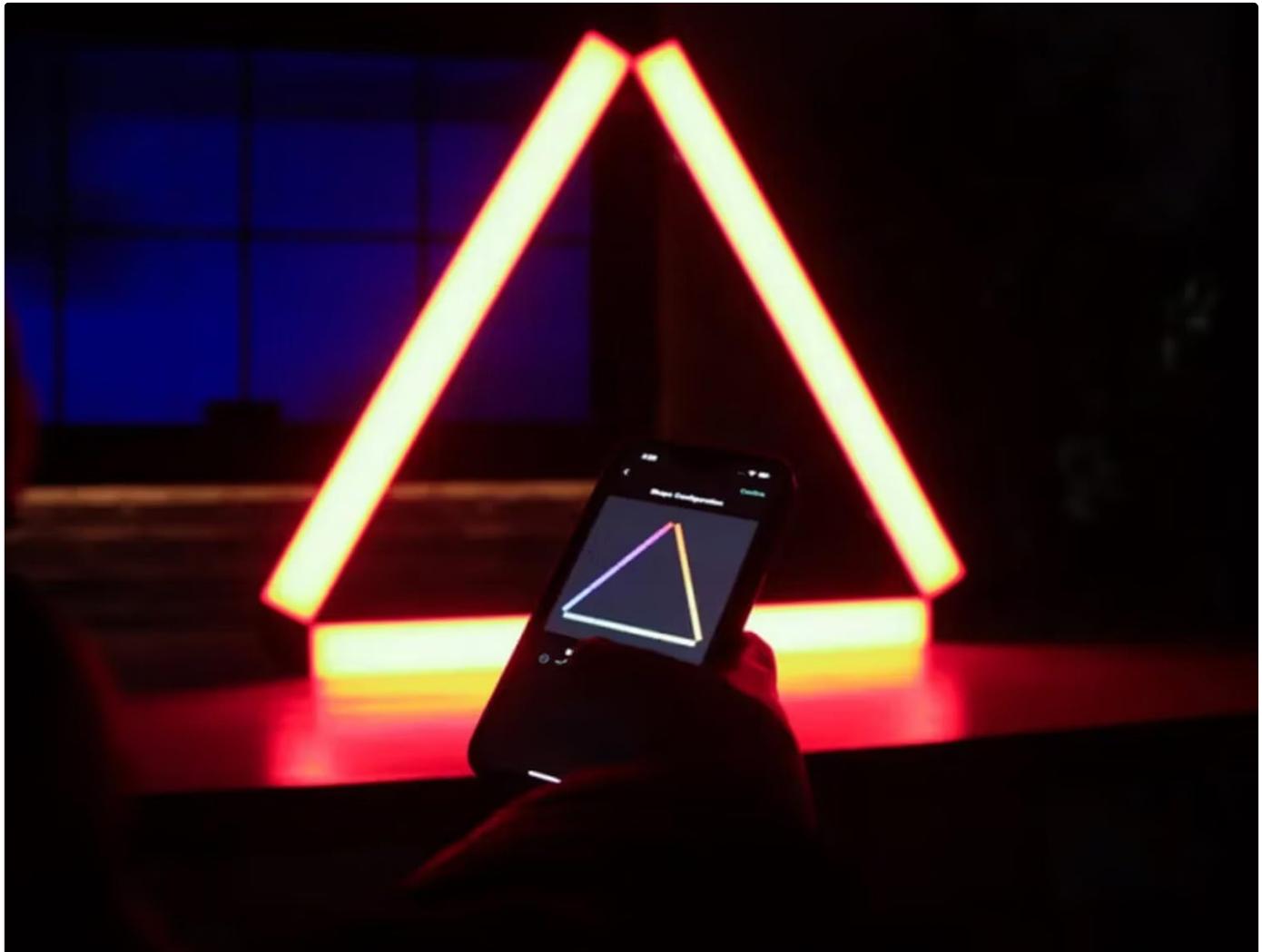
3.3 Linking Multiple Infinibars (Infinite Blending Design)

A unique feature of the Infinibar PB6 is its ability to link multiple units seamlessly, creating extended or custom shapes without visible gaps between lights. This is achieved using 10 differently shaped connectors (sold separately or included in specific kits) that attach to the ends of the bars.



Figure 3.1: Infinite Blending Design. This image shows two Infinibar PB6 units joined together, highlighting the seamless connection that eliminates visible gaps, allowing for continuous pixelated effects.

When linking multiple Infinibars, you can operate them using a single power supply via power-sharing connectors or utilize their internal batteries for increased versatility. The 48 RGB pixels on each PB6 contribute to seamless pixelated effects across the combined length.



INFINITE BLENDING DESIGN

As a rectangular linear LED light, the INFINIBARs can be infinitely and seamlessly connected end-to-end with no visible gaps between lights, opening up new creative possibilities for filmmakers, whether hidden in scene or used as in-camera practicals on set. Create seamless pixelated effects across the PB6's 48 RGB pixels, or across multiple pixel bars with the 10 splicing connectors* to create a range of shapes.

Figure 3.2: Creative Configurations. This image illustrates three Infinibar PB6 units connected to form a triangle, showcasing the product's flexibility in creating various geometric shapes for lighting designs.



INFINITE CONNECTIVITY

From flat and 3-dimensional triangles, hexagons, squares, straight lines, to spinning 3-point, 4-point, or 6-point stars, the design and configuration possibilities are infinite. Connect multiple linear pixelated lights with the 10 splicing connectors* on the back of each INFINIBAR to fit the needs of your production, and even share AC power across multiple lights.

Figure 3.3: Infinite Connectivity. This image displays several Infinibar PB6 units arranged into a hexagon, emphasizing the extensive design and configuration possibilities when connecting multiple pixel bars.

3.4 Attaching the Softbox

The included Rectangular LED Light Modifier Softbox with 45-Degree Grid is designed to soften and control the light output of the Infinibar PB6. Carefully attach the softbox to the pixel bar according to the softbox's specific instructions, ensuring a secure fit. The 45-degree grid helps to narrow the beam spread and prevent light spill.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

Locate the power button on the Infinibar PB6. Press and hold to power on or off the device. A short press may cycle through basic modes or display battery status, depending on the current operating state.

4.2 Wireless Connectivity

The Infinibar PB6 offers advanced wireless control options:

- **Sidus Link App:** Download the Sidus Link app on your smartphone or tablet. Follow the in-app instructions to pair your Infinibar PB6 units. The app allows for grouping and individual control of the 48 pixels.
- **LumenRadio CRMX:** For professional setups, the Infinibar PB6 supports LumenRadio CCRMX for robust wireless DMX control. Refer to your CCRMX transmitter's manual for pairing instructions.
- **Wired DMX:** The unit can be controlled via wired DMX using Aputure's USB-C to DMX Adapter (sold separately).



Figure 4.1: Infinibar PB6 in Operation. This image shows the Infinibar PB6 pixel bar actively emitting light, demonstrating its vibrant color capabilities and typical use in a studio environment.

4.3 Color Control and Effects

The Infinibar PB6 provides comprehensive color control:

- **CCT Range:** Adjust the Correlated Color Temperature from 2,000K (warm tungsten) to 10,000K (cool daylight).
- **Green-Magenta Adjustment:** Fine-tune the color balance with full green-magenta adjustment.
- **Advanced HSI:** Control Hue, Saturation, and Intensity with white-point adjustability.
- **RGB & xy:** Direct control over Red, Green, Blue values, and xy color coordinates for precise color matching.
- **Built-in FX:** Access 9 built-in System FX and 7 built-in Pixel FX for dynamic lighting sequences.

- **Custom FX:** Save up to 20 Custom FX within the Sidus Link app for quick recall.

5. MAINTENANCE

5.1 Cleaning

To maintain the performance and appearance of your Infinibar PB6 and softbox, regularly clean them. Use a soft, dry cloth to wipe down the exterior of the pixel bar. For the softbox, a soft brush or a slightly damp cloth can be used to remove dust or light smudges. Avoid using harsh chemicals or abrasive materials, as these can damage the finish or optical components.

5.2 Battery Care

The integrated Lithium battery requires proper care to ensure longevity:

- Avoid fully discharging the battery frequently.
- If storing the unit for an extended period, charge the battery to approximately 50-70% before storage.
- Store in a cool, dry place away from extreme temperatures.
- Recharge the battery every 3-6 months during long-term storage to prevent deep discharge.

6. TROUBLESHOOTING

6.1 Power Issues

- **Unit does not power on:** Ensure the battery is charged or the power adapter is securely connected to both the unit and a working power outlet.
- **Short battery life:** Verify the unit is fully charged. Operating at maximum output (14W) will consume battery faster (approx. 100 minutes at max output). Reduce brightness or use external power for longer operation.

6.2 Connectivity Problems

- **Cannot connect via Sidus Link:** Ensure Bluetooth is enabled on your mobile device. Restart the Infinibar PB6 and the Sidus Link app. Make sure the app is updated to the latest version.
- **CRMX/DMX control issues:** Verify that the CRMX transmitter or DMX controller is correctly configured and paired with the Infinibar PB6. Check all cable connections for wired DMX.

6.3 Light Output Irregularities

- **Inconsistent color or brightness:** Ensure the firmware of the Infinibar PB6 is up to date via the Sidus Link app. Perform a factory reset if issues persist (refer to app or Aputure support for specific steps).
- **Gaps between linked units:** Re-check the connection of the splicing connectors. Ensure they are fully inserted and aligned to maintain the seamless blending design.

7. SPECIFICATIONS

Feature	Specification
Model Number	APM0300A1G
Light Source Type	Light Emitting Diode (LED)
Color	RGBWW (Red, Green, Blue, Warm White, Cool White)

Feature	Specification
CCT Range	2,000K to 10,000K
Green-Magenta Adjustment	Full adjustment capability
Number of Pixels	48
Power Source	Battery Powered (Built-in 29.6Wh Lithium) / AC Power
Max Output Wattage	14 Watts
Battery Life (Max Output)	Approx. 100 minutes
Voltage	5 Volts
Wireless Connectivity	Sidus Link, LumenRadio CRMX
Wired Connectivity	USB-C to DMX (via adapter)
Dimensions (Product)	26.5 x 12.6 x 19.7 inches
Item Weight	11 Pounds
Shade Material	Polycarbonate (PC)
Mounting Type	Bracket Mount

8. WARRANTY AND SUPPORT

8.1 Warranty Information

This product may be eligible for extended protection plans. Please refer to your purchase documentation or the retailer's website for details on available 3-Year or 4-Year Protection Plans, or monthly Complete Protect plans. These plans are typically offered by third-party providers and cover various aspects of product longevity and repair.

For specific warranty terms provided by Aputure, please visit the official Aputure website or contact their customer service directly. Keep your proof of purchase for any warranty claims.

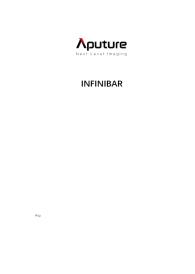
8.2 Customer Support

Should you encounter any issues not covered in this manual or require further assistance, please contact Aputure customer support. You can typically find contact information, including phone numbers, email addresses, and support portals, on the official Aputure website (www.aputure.com). When contacting support, please have your product model number (APM0300A1G) and purchase details ready.

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This manual is for informational purposes only. Specifications are subject to change without notice.

Related Documents

	<p>Aputure Light Dome 150: Quick-Setup Circular Softbox Manual & Specifications</p> <p>Official user manual for the Aputure Light Dome 150 (150cm/59in) Bowens Mount softbox. Includes setup, collapse instructions, safety guidelines, components list, and technical specifications.</p>
	<p>Aputure Light Box 4545 Softbox Product Manual</p> <p>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.</p>
	<p>Aputure STORM XT52 Accessories Data Book: Mount Light Dome 150 & Mount Lantern 120, XT52 Skid</p> <p>Comprehensive data book for Aputure STORM XT52 accessories, detailing the Mount Light Dome 150, Mount Lantern 120, and STORM XT52 Skid. Includes features, photometrics, specifications, and sales information for each product.</p>
	<p>Aputure INFINIBAR DMX Profile Specification & Controller Firmware V2.0</p> <p>This document provides comprehensive DMX profile specifications and controller firmware details for the Aputure INFINIBAR lighting fixture. It serves as a technical guide for users, outlining various operational modes, channel assignments, value ranges, and functional parameters essential for precise lighting control, including CCT, RGB, HSI, XY, and FX modes.</p>