

Aputure Amaran 300C

Aputure Amaran 300C Full-Color 300W RGB Video Light User Manual

Model: Amaran 300C

[Safety Instructions](#) [Product Overview](#) [Setup](#) [Operation](#) [Maintenance](#) [Troubleshooting](#)
[Specifications](#) [Warranty & Support](#)

1. SAFETY INSTRUCTIONS

Please read these safety instructions carefully before using the Aputure Amaran 300C. Failure to follow these instructions may result in injury or damage to the product.

- **Electrical Safety:** Always ensure the power supply matches the product's requirements. Do not operate with wet hands or in wet conditions. Disconnect power before cleaning or maintenance.
- **Heat Management:** The light source can become hot during operation. Do not touch the light emitter directly. Ensure adequate ventilation around the fixture to prevent overheating.
- **Eye Protection:** Do not look directly into the light source when it is on. Prolonged exposure to bright light can cause eye strain or damage.
- **Mounting:** Securely mount the light on a stable stand or support. Ensure all locking mechanisms are tightened to prevent accidental falls.
- **Children and Pets:** Keep the device out of reach of children and pets.
- **Modifications:** Do not attempt to disassemble or modify the product. Unauthorized modifications will void the warranty.

2. PRODUCT OVERVIEW

The Aputure Amaran 300C is a high-power 300W full-color RGB video light designed for professional video production, photography, and live streaming. It offers versatile lighting control with CCT, HSI, and FX modes, precise color accuracy, and convenient app control.



Image: The Aputure Amaran 300C RGB Video Light, showcasing its compact design and integrated handle.

2.1 Key Features

- **Full-Color RGB Output:** Offers 360° HSI full-color control for a wide range of creative lighting options.
- **High Brightness:** Delivers 26580 lux at 1 meter (5600K) with a 300W power output.
- **Accurate Color Reproduction:** Features CRI 95+, TLCI 95+, Rf 92, and Rg 101 for precise and natural color rendering.
- **Adjustable Color Temperature:** CCT mode allows adjustment from 2500K to 7500K, with G/M adjustment.
- **Special Effects Modes:** Includes 9 built-in lighting effects for dynamic scene creation.
- **Sidus Link App Control:** Seamless wireless control via Bluetooth for advanced settings and remote operation.
- **Bowens Mount Compatibility:** Standard Bowens mount allows for a wide range of light modifiers and accessories.
- **Ultra-Quiet Cooling:** Equipped with an advanced cooling system and ultra-quiet fan for silent operation.

2.2 Package Contents





Image: The Amaran 300C light fixture, reflector, power adapter, and cables neatly packed in its protective carrying case.

The Amaran 300C package typically includes:

- Amaran 300C Light Fixture
- Standard Reflector
- AC Power Adapter
- AC Power Cable
- Protective Carrying Case

3. SETUP

3.1 Mounting the Light

1. Attach the Amaran 300C to a light stand using the integrated mounting bracket. Ensure the stand is stable and capable of supporting the weight of the light and any attached accessories.
2. Tighten the locking knob on the mounting bracket to secure the light in place.
3. Adjust the tilt angle of the light as needed and tighten the tilt locking knob.

3.2 Attaching Accessories (Bowens Mount)



Aputure®

商品詳細

150c

CCT : 2500K-7500K G/M調整可能
5600K : 15,610 lux @ 1m
CRI : 95+ TLCI+95+ Rf : 92 Rg : 101
HSIモード : 360° 全色
出力 : 150W

300c

CCT : 2500K-7500K G/M調整可能
5600K : 26,580 lux @ 1m
CRI : 95+ TLCI+95+ Rf : 92 Rg : 101
HSIモード : 360° 全色
出力 : 300W

Image: The Amaran 300C demonstrating its Bowens mount compatibility with various light modifiers like a reflector and softbox.

The Amaran 300C features a standard Bowens mount, allowing you to attach a variety of light modifiers such as

reflectors, softboxes, and snoots.

1. Align the accessory's Bowens mount with the light's mount.
2. Insert the accessory and rotate it clockwise until it clicks into place, indicating it is securely locked.
3. To remove, press the release button on the light's mount and rotate the accessory counter-clockwise.

3.3 Power Connection



The image block contains three photographs of the Amaran 300C light fixture, each with a callout box describing a feature.

- Top Image:** A close-up of the light's lens and internal components, showing a warm orange glow. The callout box lists the following specifications:
 - フルカラーRGBライト
 - CRI : 95+ TLCI : 95+
 - 2,500K~7,500K CCT
 - G/M調整機能付き
 - 360°HSIフルカラーコントロール
- Middle Image:** A view of the control panel on the back of the fixture. The callout box states:
 - 超大ディスプレイ、一目で見ればすぐ状況がわかる。
- Bottom Image:** A close-up of the control panel's buttons and the power input port. The callout box states:
 - 超静音ファン
 - 独自の冷却システムが搭載され、静かが求めるシーンも使えます。

Image: Close-up of the Amaran 300C's power input port, showing the DC IN 48V connection.

1. Connect the AC power adapter to the DC IN 48V port on the light fixture.
2. Connect the AC power cable to the power adapter.
3. Plug the AC power cable into a suitable power outlet.

4. OPERATION

4.1 Control Panel Overview

APP操作対応可能

Sidus Linkを利用すると遠距離で多機器を操作することができます。



Image: The control panel of the Amaran 300C, featuring the display screen, intensity knob, lighting mode button, CCT/G/M knob, and HUE/SAT knob.

The Amaran 300C features an intuitive control panel with a display screen and various knobs/buttons for direct control.

- **Power Button:** Turns the light on or off.
- **INT (Intensity) Knob:** Adjusts the brightness from 0% to 100%.
- **Lighting Mode Button:** Cycles through CCT, HSI, and FX modes.
- **CCT/G/M Knob:** In CCT mode, adjusts color temperature (2500K-7500K) and Green/Magenta shift.
- **HUE/SAT (Hue/Saturation) Knob:** In HSI mode, adjusts hue (360°) and saturation.
- **Display Screen:** Shows current settings such as intensity, CCT, HSI values, and FX mode.

4.2 Lighting Modes

Press the **Lighting Mode** button to switch between the following modes:

- **CCT Mode:**
Allows adjustment of color temperature from 2500K (warm tungsten) to 7500K (cool daylight). Use the

CCT/G/M knob to change the color temperature. Press the **CCT/G/M** knob to toggle between CCT and Green/Magenta adjustment.

- **HSI Mode:**

Provides full control over Hue, Saturation, and Intensity. Use the **HUE/SAT** knob to adjust the hue (360°) and saturation. Press the **HUE/SAT** knob to toggle between Hue and Saturation adjustment.

- **FX Mode (Special Effects):**

Offers 9 built-in lighting effects to simulate various scenarios. Use the **CCT/G/M** or **HUE/SAT** knobs to select and adjust parameters for each effect.



Image: Visual representation of the 9 special lighting effects available on the Amaran 300C, including Fireworks, Party, Paparazzi, Broken Bulb, TV, Fire, Police Car, Pulse, and Lightning.

- Paparazzi
- Fireworks
- Broken Bulb
- TV
- Lightning
- Pulse

- Strobe
- Explosion
- Fire

4.3 Brightness Adjustment

In any mode, rotate the **INT** knob to adjust the light intensity from 0% to 100% in stepless increments.

4.4 Sidus Link App Control



Image: A tablet displaying the Sidus Link app interface, used for remote control of the Amaran 300C light fixture.

The Amaran 300C can be controlled wirelessly via the Sidus Link mobile application. This app provides extended control features and allows for remote adjustment of all light parameters.

1. Download the "Sidus Link" app from your device's app store (iOS/Android).
2. Ensure Bluetooth is enabled on your mobile device.
3. Power on the Amaran 300C.

- 4. Open the Sidus Link app and follow the on-screen instructions to connect to your Amaran 300C. The app will automatically detect nearby Aputure devices.
- 5. Once connected, you can adjust intensity, color temperature, hue, saturation, and trigger special effects directly from your phone or tablet.

5. MAINTENANCE

5.1 Cleaning

- Always disconnect the power before cleaning.
- Use a soft, dry cloth to wipe the exterior of the light fixture.
- For stubborn dirt, a slightly damp cloth with a mild detergent can be used, followed by a dry cloth.
- Do not use harsh chemicals, solvents, or abrasive cleaners, as these can damage the finish or internal components.
- Keep the ventilation openings clear of dust and debris to ensure proper cooling.

5.2 Storage

- Store the Amaran 300C in a cool, dry place, away from direct sunlight and excessive humidity.
- If storing for an extended period, use the provided protective carrying case to prevent dust accumulation and physical damage.

5.3 Cooling System

The Amaran 300C incorporates an advanced, ultra-quiet cooling fan system to maintain optimal operating temperatures. Ensure that the fan vents are not obstructed during operation to prevent overheating and ensure longevity of the LED chip.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	No power, loose connection, faulty power adapter.	Check power cable connection to outlet and light. Ensure power adapter is functioning. Try a different power outlet.
Light flickers or is unstable.	Loose power connection, unstable power supply, overheating.	Secure all power connections. Ensure the power source is stable. Check for proper ventilation; if overheating, reduce intensity or allow to cool.
Cannot connect to Sidus Link app.	Bluetooth off, app not updated, light not in pairing mode, interference.	Ensure Bluetooth is enabled on your device. Update the Sidus Link app. Restart the light and the app. Move closer to the light to reduce interference.
Light is too hot.	Obstructed ventilation, prolonged high-power use in a confined space.	Ensure fan vents are clear. Operate in a well-ventilated area. Reduce light intensity if operating for extended periods.

7. SPECIFICATIONS

Feature	Detail
Model	Amaran 300C (AMA300C)
Output Power	300W
Illuminance (1m, 5600K)	26580 lux
Color Temperature (CCT)	2500K - 7500K (with G/M adjustment)
Color Accuracy	CRI: 95+, TLCI: 95+, Rf: 92, Rg: 101
Color Modes	CCT, HSI (360° Full Color), FX (9 effects)
Dimming	0-100% Stepless
Control Methods	On-board controls, Sidus Link App (Bluetooth)
Accessory Mount	Bowens Mount, Umbrella Hole
Cooling	Active Cooling (Ultra-quiet fan)
Power Input	DC 48V
Origin	China

8. WARRANTY & SUPPORT

8.1 Manufacturer's Warranty

The Aputure Amaran 300C comes with a **one-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, unauthorized modifications, accidents, or improper maintenance. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact Aputure customer support through their official website or the retailer where you purchased the product. You can find more information and resources on the official Aputure website: www.aputure.com