

Amaran Halo 100x

Amaran Halo 100x Portable Video Light User Manual

Model: Halo 100x | Brand: Amaran

1. INTRODUCTION

The Amaran Halo 100x is a compact and powerful 100W bi-color COB LED video light designed for content creators, studio lighting, live streaming, vlogging, and product photography. It offers best-in-class brightness, flexible power options, and intuitive controls, including app and DMX capabilities.

This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your Amaran Halo 100x to ensure optimal performance and longevity.

2. WHAT'S IN THE BOX

Verify that all components are present in your Amaran Halo 100x package:

- 1 x Amaran Halo 100x Light Unit
- 1 x Amaran AC to DC 100W Power Adapter (2.5m)
- 1 x Amaran IEC C13 AC Power Cable (2m)
- 1 x Amaran 1/4-20in to Baby Pin Adapter with Tilt

Simple & Flexible Power Options

Power with included DC adapter or via USB-C PD input



⚠ Note: Accessories are sold separately

Image: Contents of the Amaran Halo 100x package, including the light, power adapter, power cable, and mounting adapter.

3. SETUP

3.1 Mounting the Light

1. Attach the included 1/4-20in to Baby Pin Adapter with Tilt to a compatible light stand or tripod.
2. Securely mount the Amaran Halo 100x light unit onto the adapter. Ensure the light is stable before proceeding.

Your browser does not support the video tag.

Video: Demonstrates the setup and use of the Amaran Halo Bi-color Series, including mounting the light unit.

3.2 Powering the Light

The Amaran Halo 100x offers flexible power options:

- **AC Power:** Connect the Amaran AC to DC 100W Power Adapter to the light's DC IN port, then plug the IEC C13 AC Power Cable into the adapter and a wall outlet.

- **USB-C PD:** For portable use, connect a compatible USB-C PD power source (e.g., power bank, Amaran Peak series battery with optional Ace E-Lock Adapter) to the USB-C PD input port. Ensure the power source can deliver sufficient wattage for desired output.



Image: Power input options for the Amaran Halo 100x, illustrating DC IN and USB-C PD ports.

3.3 App Control Pairing (Amaran App)

For wireless control, pair your Amaran Halo 100x with the Amaran app:

1. Download the "Amaran" app from your device's app store.
2. Register an account and log in.
3. Turn on the Amaran Halo 100x.
4. Open the Amaran app and use the built-in NFC feature by tapping your smartphone near the NFC tag on the light for quick pairing. Alternatively, manually add the device within the app.

Simple Controls for Faster Shoots



Image: Amaran Halo 100x demonstrating app control via a smartphone, showing the NFC pairing process.

4. OPERATING INSTRUCTIONS

4.1 Basic Operation

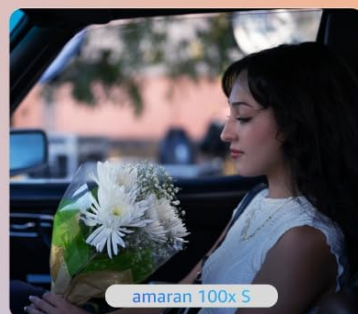
1. **Power On/Off:** Press the power button located on the back of the unit.
2. **Brightness Adjustment:** Use the dedicated brightness knob to adjust the light intensity from 0% to 100%.
3. **Color Temperature (CCT) Adjustment:** Use the dedicated CCT knob to adjust the color temperature from 2700K (warm) to 6500K (cool).

Compact Size, Powerful Output

Ultra-Compact, Space-Saving Design Up to 84W light output and 4,890 lux @ 1m (bare)



34% ↑



amaran Halo 100x

4,890 lux @ 1m(bare)

amaran 100x S

3,640 lux @ 1m(bare)

Image: Detailed view of the Amaran Halo 100x control interface, highlighting the brightness and color temperature adjustment knobs.

4.2 Special Effects

The Amaran Halo 100x includes 9 built-in lighting effects for creative scenarios. These can be accessed and controlled via the unit's interface or the Amaran app:

- Fireworks
- Paparazzi
- Strobe
- Fire
- Explosion
- Faulty Bulb
- Lightning
- Pulsing
- TV

4.3 DMX Control

For advanced workflows, the Amaran Halo 100x supports DMX control via USB-C. Integrate with industry-standard consoles and software using the optional USB-C to 5-Pin DMX In & Out Adapter (sold separately) for precise control over cues, multi-light setups, and repeatable scenes.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the light. Avoid using harsh chemicals or abrasive materials.
- **Cooling System:** The Amaran Halo 100x features an optimized cooling system designed for quiet operation (28 dBA). Ensure the fan vents are not obstructed to maintain proper airflow and prevent overheating.
- **Storage:** When not in use, store the light in a dry, dust-free environment.
- **Safety:** The COB element can become very hot. Avoid direct contact with the light source and ensure no flammable materials are placed directly on the lens.

6. TROUBLESHOOTING

- **Light Not Turning On:**
 - Check power connections. Ensure the AC adapter is securely plugged into both the light and a working power outlet.
 - If using USB-C PD, verify the power source is compatible and providing sufficient wattage.
- **App Control Issues:**
 - Ensure Bluetooth is enabled on your smartphone.
 - Confirm the Amaran app is updated to the latest version.
 - Try re-pairing the device via NFC or manual search in the app.
 - Restart both the light and your smartphone.
- **Overheating:**
 - Ensure the cooling fan vents are clear of obstructions.
 - Operate the light in a well-ventilated area.
 - Reduce brightness if operating in high ambient temperatures.
- **Inconsistent Light Output:**
 - Check power supply stability. Fluctuations in power can affect output.
 - Ensure no modifiers are improperly attached, causing light blockage.

7. SPECIFICATIONS

Feature	Detail
Brand	Amaran
Model Name	Halo 100x
Light Output	84W (up to 4,890 lux @ 1m bare)
Color Temperature (CCT)	2700K - 6500K

Feature	Detail
Color Accuracy	CRI 96+, TLCI 97+
Mount Type	Bowens Mount
Control Methods	On-board controls, Amaran App (Bluetooth), DMX (via optional adapter)
Power Input	DC (100W adapter included), USB-C PD
Cooling	Active cooling, 28 dBA quiet operation
Dimensions	Approx. 5" x 5" x 2" (light unit)
Water Resistance	Not Water Resistant

8. WARRANTY & SUPPORT

The Amaran Halo 100x comes with a **1-year warranty**. For technical support, service, or warranty claims, please contact Amaran customer service or visit the official Amaran Store.
Official Amaran Store: [Amaran Store on Amazon](#)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question