

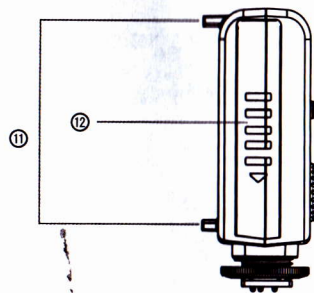
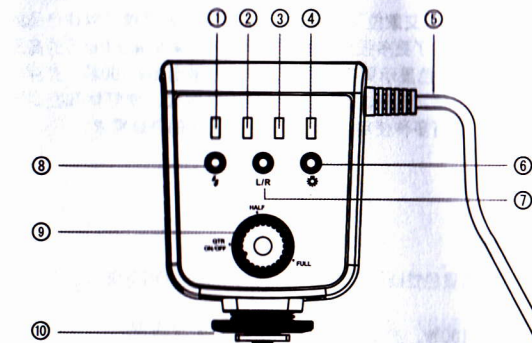
## Description

Thank you for purchasing Aputure "Amaran" LED ring flash. It inherits the advantages of previous ring flash while adding exciting new features. Uses high Ra up to 95 advanced LEDs to creates excellent performance. And increased LEDs have brought double brightness more than previous light. And you can enjoy flexible combinations and various flash ways to match your art work.

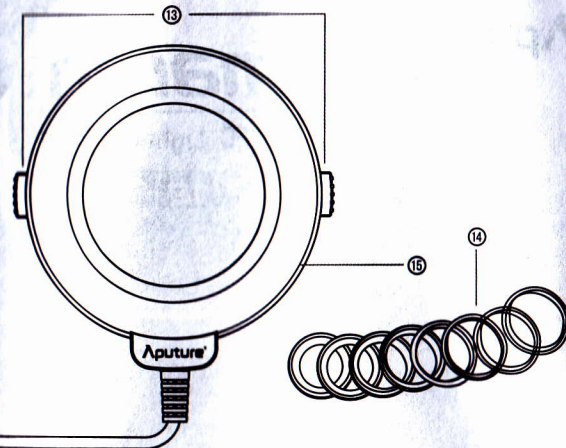
## Main Features

1. Uses 100 high color rendering index LEDs (CRI $\geq$ 95Ra)
2. Double brightness more than previous version
3. No flicker in Light mode, perfect for shooting video
4. Double brightness in Flash mode more than in Light mode
5. Flexible connections between ring flash and controller
6. Stepless brightness control
7. Left and right flash modes for more effects
8. Universal metal hot shoe
9. Includes various transfer rings

## Components



Ring Flash Controller



Ring Flash

- |                                |   |
|--------------------------------|---|
| ① Flash mode indicator         | ⑨ Brightness adjustment wheel with power switch |
| ② Left flash(light) indicator  | ⑩ Hot-shoe                                      |
| ③ Right flash(light) indicator | ⑪ Lamp mount                                    |
| ④ Light mode indicator         | ⑫ Battery compartment                           |
| ⑤ Cable                        | ⑬ Lock release button                           |
| ⑥ Light mode button            | ⑭ Transfer Rings*                               |
| ⑦ Left/Right button            | ⑮ Diffusers                                     |
| ⑧ Flash mode indicator         |   |



\* Includes 8 ring mounts for different lenses: 49MM, 52MM, 55MM, 58MM, 62MM, 67MM, 72MM, 77MM.

## Installation

- 1.Insert four AA batteries into the battery storehouse.
- 2.Affix the hot-shoe head of Ring Flash Controller to the camera's hot-shoe,then release.
- 3.Ring Flash Setup
  - 1).Use the appropriate ring mount according to the size of the lens.
  - 2).Place the ring mount on the lens.
  - 3).Hold lock and place Ring Flash on the ring mount.

## Function and operation

### Button information

Button	Function
	1. Test the flash output 2. Switch to flash mode
L/R	Press L/R button to switch between left, right, and full brightness mode
	Switch to light mode

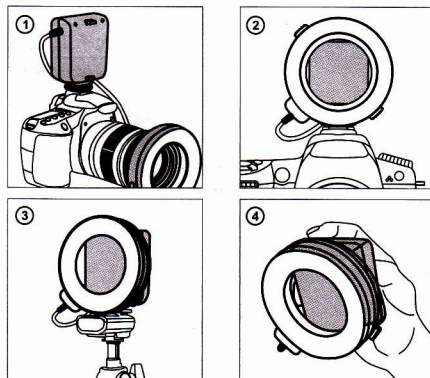
### Brightness adjustment

Halo has 3 stops under Flash and Light mode. Flash mode light output is twice the Light mode.

- 1.QTR represents quarter of the maximum brightness.
- 2.HALF represents half of the maximum brightness.
- 3.FULL represents the maximum brightness.

## Usage introduction

Aputure Amaran Halo LED Ring Flash Usage.



- ① Aputure Amaran LED Ring Flash for general usage.  
②③④ Aputure Amaran LED Ring Flash for unique usage.

## Specifications

LED Number	100		Color Temperature	5500K±200K
LED Angle	45°			
CRI	≥95Ra		Sync Speed	> 1/200S
Illumination	50cm	1020 lux	Battery	4 AA batteries
	100cm	305 lux	Power	≤6W
Supply Power Voltage	DC3.6V-6.7V		Average Life Span	> 100,000 hours

## Trouble shooting

### 1. Underexposed or overexposed photos

Be sure the camera shutter, aperture, or ISO setting is not too high or low. Also check exposure compensation, exposure bracketing and flash-related settings.

### 2. Vignetting

Do not use wide angles, and adjust the camera's focal length to 50 mm or more.

### 3. Flash does not work

- Be sure the battery has power. If not, replace it.
- During battery installation, follow the +/- icons.
- Be sure the camera and flash hot-shoe is clean. If not, clean it with a cloth and then reinstall.

### 4. Abnormal Flash

Turn off Halo and camera, then setup Halo again, then turn on both after setup. If still abnormal, replace batteries and try again.

## For your safety

To prevent damage to your product or injury to yourself or to others, read the following safety precautions in their entirety before using this equipment. Keep these safety instructions where all those who use this equipment will read them.

### **Do not disassemble or modify**

Failure to observe this precaution could result in electric shock or product malfunction. Should the product break open as the result of a fall or other accident, remove the batteries.

### **Keep dry**

Do not handle with wet hands or immerse in or expose to water or rain. Failure to observe this precaution could result in fire or electric shock.

### **Do not use in the presence of flammable gas**

Failure to observe this precaution could result in explosion or fire.

### **Keep out of reach of children**

This device contains small parts which may pose a choking hazard. Consult a physician immediately if a child swallows any part of this device.

### **Do not expose to high temperatures**

Do not leave the device in a closed vehicle under the sun or in other areas subject to extremely high temperatures. Failure to observe this precaution could result in fire or in damage to the casing or internal parts.

### **Observe precaution when handling batteries**

- Use only batteries listed in this manual. Do not mix old and new batteries or batteries of different types.
- Do not short or disassemble.
- Do not attempt to insert batteries upside down or backwards.
- Batteries are prone to leakage when fully discharged.
- To avoid damage to the product, be sure to remove the batteries when leaving the product unattended for prolonged periods or when no charge remains.
- Should liquid from the batteries come into contact with skin or clothing, rinse immediately with fresh water.