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Amaran

Perfect LED Lighting Solution

User Manual

CRI 95+

026 AL-672-HR LED
Monday, March 10, 2014 10:15:49 AM

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Safety Notice

To prevent damage to your product or injury to yourself or to others, read all of the following safety precautions before using this equipment. Keep eyes on these safety instructions for all those who will use this equipment.

☞ **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**
Keep away from strong sunlight or other high temperatures or it may explode.

☞ **Be careful when handling batteries**
- Use only batteries listed in this manual.
- Turn off device before removing batteries.
- Keep batteries away from fire.

☞ **Be careful when handling power adapter**
- Don't touch the charger or adapter with wet hands in case of electric shock.
- Don't damage, disassemble or drag the power cable. Repair or replace when necessary.
- Don't place heavy things on the device.
- Clean the plug with a dry cloth.

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Foreword

Thanks for purchasing Aputure® Amaran HR672 LED video light. HR672 is made of 672 lamp beads which are designed and manufactured carefully to have over 95 CRI value, ensuring a faithful production of colors in the shoot. It is also added a brand new wireless control mode for varies applications. You're able to remotely control brightness or color temperature output in different channels and groups. Read this user guide carefully for the best results.

1. Introduction

Amaran HR672 is the ultimate LED portable video light using a universal 2.4G wireless signal and lamp beads with 95+ CRI. It features strong and steady light, wireless control, group control, PWM technology and lightweight. Enjoy professional lighting quality with Amaran HR672.

Main Features

Functions:
1. 2.4G wireless control
2. Flicker free
3. Control 4 groups LED lights
4. Digital brightness display
5. Wireless brightness control
6. Color temperature display (HR672C)
7. Wireless color temperature control (HR672C)
8. Charges batteries while powered by AC
9. Double power supply system
10. Battery power indicator

Property:
1. High color rendering LEDs (Ra>95)
2. Long lifespan and steady light
3. PWM technology and low power consumption
4. High efficiency, energy saving beads
5. Efficient heat sink technology

Design:
1. Slim design
2. Universal lamp bracket
3. White diffusing filter
4. 3200K CTO filter (HR672W/HR672S)
5. Carrying bag

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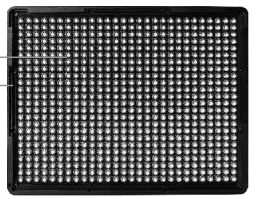
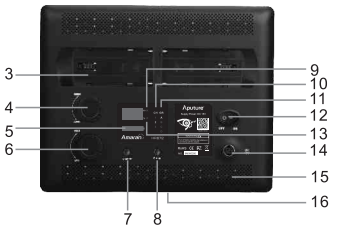
2. Components

LED Panel

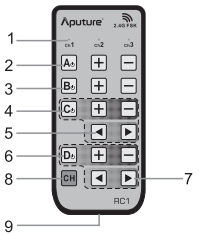


Front



Back

Remote control



Accessories

1) LED Panel:

Front

① LED Beads
② Locking Frame

Back:

③ Battery Compartment
④ Color Temperature Wheel (HR672C)
⑤ Battery Indicator LED
⑥ Brightness Wheel
⑦ Channel Switch
⑧ Group Switch
⑨ Color Temperature Indicator (HR672C)
⑩ Channel Display
⑪ Group Display
⑫ Power Switch (ON/OFF)
⑬ Brightness Indicator
⑭ DC Slot
⑮ Heat Dissipation Vent
⑯ 1/4" Slot

2) Remote control:

① Channel Indicators
② Group A: Brightness Button
③ Group B: Brightness Button
④ Group C: Brightness Button
⑤ Group C: Color Temperature Button
⑥ Group D: Brightness Buttonl
⑦ Group D: Color Temperature Button
⑧ Channel Switch
⑨ Battery Compartment

3) Accessories:

① Power Adapter
② Lamp Bracket
③ 1/4"-3/8" Screw
④ Warming Filter (HR672W/HR672S)
⑤ CTO
⑥ Carrying bag

3. Preparations

LED Panel

Rotate the 1/4”-3/8” screw to the 1/4” slot in the bottom or the side of LED panel, insert the screw into the lamp bracket and fix the bracket on the lamp stand.

Power

1) Charging With Power Adapter

Insert the power adapter into the DC slot.

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2) Lithium Battery Installation

Insert lithium batteries according to the diagram's directions.

Note:
Usable lithium batteries include Sony NP-F series: NP-F550/F570/F770/F960/F970; NP-FM/QM series: FM50/FM51/FM55H/FM500H/QM50/QM51/QM71D/QM91D.

Controller

Please move the insulated piece away in the battery compartment when use it.

State Indicator

When the LED is turned on, it will display parameters such as battery power, brightness output, color temperature, channel and group.

1) Channel & Group Displays

Hr672 has 3 channels(1/2/3) and 4 groups(A/B/C/D), supporting to display the actual setting of channels and groups.

2) Battery Indicator

The Battery Power Indicator LED fully lights when using the power adapter. It shows current battery power when using lithium batteries. The LED cycles when charging, and shows all 4 LEDs light when fully charged.

Note:
Battery Indicator LED lights red when power is low. Time to recharge or replace the batteries.

3) Brightness Indicator

Brightness control ranges from 10% to 99% (LED displays 10 to 99).

4) Color Temperature Indicator (HR672C)

Color temperature of HR672C can be adjusted from 3200K to 5500K. The LED indicates color temp in numbers from 32 to 55.

4. Operations

Remote Control

A. Channels & Groups Set and Display

Amaran HR672C has an actual setting display for channels and groups on the back of LED panel. It can be wireless controlled through 2.4GHz FSK radio signal from remote control. Press the channels and groups to switch the setting to match your need. The related LED indicators on the back of LED panel will display your present setting immediately.

B. Brightness & Color Temperature Adjustment

Set the same channel on both remote control and LED panel, and choose one group on the light.
1)Brightness Adjustment
Press <+/-> button of the present group on the remote control to adjust the corresponding brightness which varies in 1% at a time.
2)Color Temperature Adjustment
Press <◄/►> button of the present group on the remote control to adjust the corresponding color temperature which varies in 100k at a time.

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Note:

1. May switch the present channel to another one once pressing the CH button.
2. May rapidly change brightness and color temperature once long pressing the corresponding buttons.
3. May suddenly change brightness and color temperature once switching the mode from wireless control to manual control.
4. Do not cover the antenna area on the rear of the remote control, or may reduce the effective range.

Manual Control

Brightness & Color Temperature Adjustment

1)Brightness Adjustment
Rotate Brightness wheel clockwise to increase brightness. Conversely, counterclockwise to decrease.
2)Color Temperature Adjustment
Rotate Color Temperature wheel clockwise to increase color temperature. Conversely, counterclockwise to decrease.

Note:

LED indicators show the brightness by default, and will display brightness when no color temperature adjustment within 5 seconds.

Filters Use

Install diffusing or CTO filter as you need.

Battery Charge

Support charging battery while lighting Amaran HR672 by the power supplier. Besides only charging a pair of batteries with privious LED lights, Amaran HR672C also supports to charge one by one even plugging in adaptor with “Power Switch” off.

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5. Specifications

Model / Specification	HR672W	HR672S	HR672C
Operation Current	≤4A	≤4A	≤4A
Power	45W	45W	45W
Beam Angle	75°	25°	75°
Color Temperature	5500K	5500K	3200-5500K
Power Supply	DC 15V		
Average Life Span	≥100, 000h		
Cooling Mode	Natural Ventilation		
Remote Frequency	2. 4GHz		
Channels	3		
Groups	A/B/C/D		
Remote Range	≤30m		
Volume (L*W*H)	238*190*32mm		
Net Weight	585g		

Brightness

Model	Distance	Footcandles	LUX
HR672W	1M	139	1500
	2M	37	400
	3M	18	190
HR672S	1M	446	4800
	2M	121	1300
	3M	56	600
HR672C	1M	53	570
	2M	18	190
	3M	8	90

6. Important Notice

1) Please do not directly face the LED when the lights are on.
2) Never block the ventilation grill by covering it with paper or clothes.
3) Do not place the LED light near alcohol or other flammable objects.
4) Keep all liquids away from LED panel.
5) When the LED light is on or against the other items above, please turn it off, lest they cause fire or damage to the light.
6) Do not make LED light face down when move the light stand.
7) Use a clean, dry, soft cloth to clean Amaran. Use only neutral detergents to remove the dirt and stains. Do not use strong cleaning agents such as thinner, gasoline, or alcohol.

(The instruction and information in this manual are based on strict, controlled company testing procedures. Further notice will not be given if the design and specifications change.)

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FCC ID: 2AABZ-RC1

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment。

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.