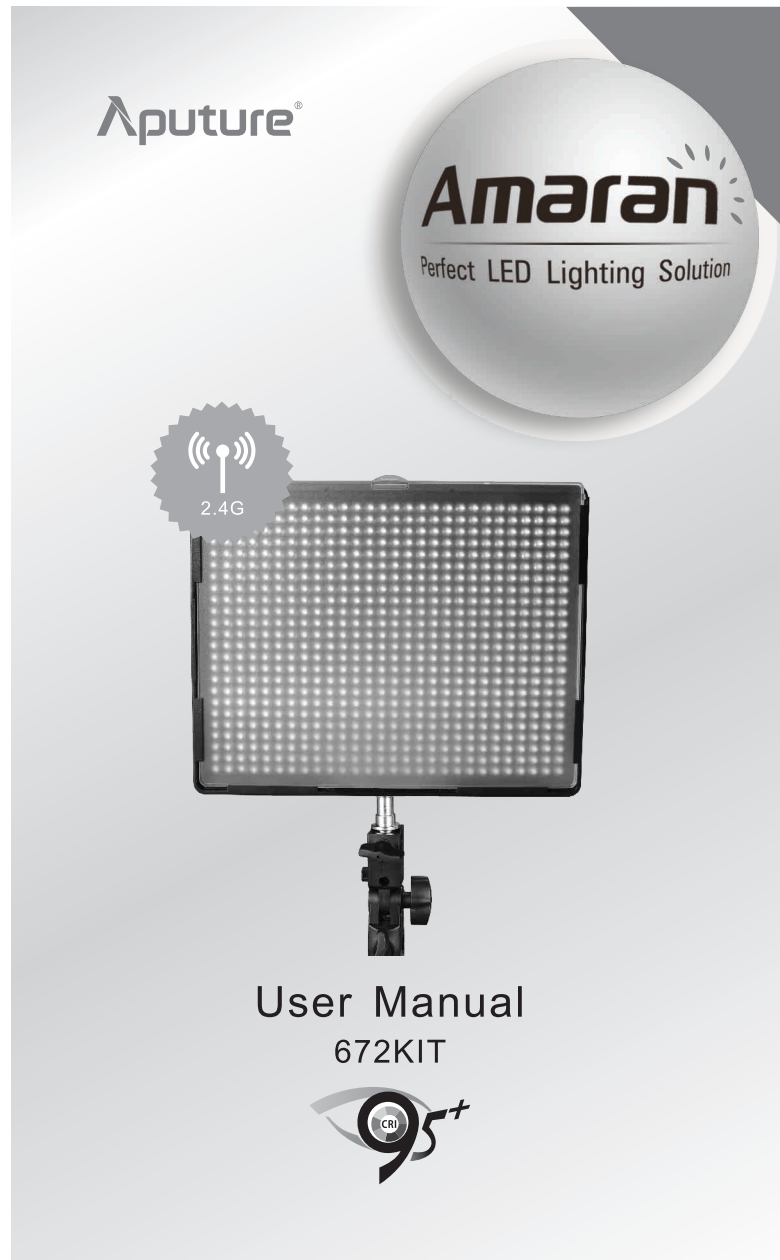


Aputure® 深圳市爱图仕摄影器材有限公司			
设计项目	026B HR672 LED摄影灯 说明书	图号	AP-026B-ST-04
尺寸(mm)	100*160MM	版本	A2版
材质工艺	70克书写纸, 单黑	设计师	宋爱玉
		日期	2014年8月19日
备注	料号: 526B67203001		

Aputure®
www.aputure.com



Index

Safety Notice	1
Foreword	2
1. Introduction	3
Main Features	3
2. Components	4
LED Panel	4
Remote Control	4
Accessories	5
3. Preparations	5
LED Panel	5
Power	5
Controller	6
State Indicator	6
4. Operations	7
Remote control	7
Manual control	8
5. Specifications	10
6. Important Notice	11

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**

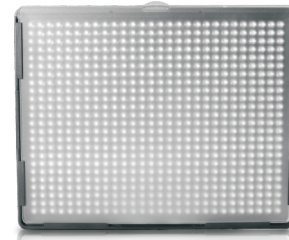
- Use only batteries listed in this manual.
- Turn off device before removing batteries.
- Keep batteries away from fire.

 **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.

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:

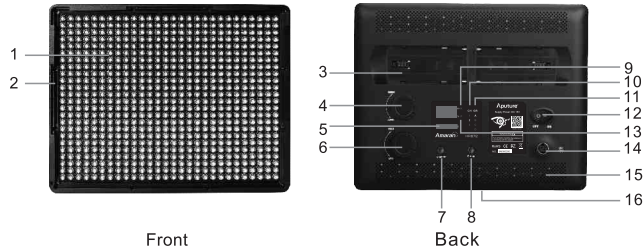
1. High color rendering LEDs (Ra>95)
2. Long lifespan and steady light
3. PWM technology and low power consumption
4. High efficiency, energy saving beads
5. Efficient heat sink technology

Design:

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

2. Components

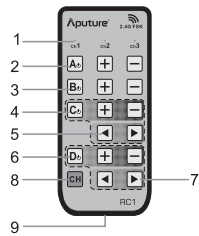
LED Panel



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 Button
- ⑦ Group D: Color Temperature Button
- ⑧ Channel Switch
- ⑨ Battery Compartment

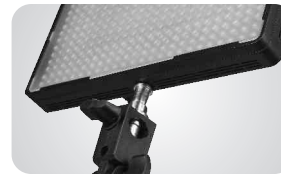
3) Accessories:

- ① Power Adapter
- ② Lamp Bracket
- ③ 1/4"-3/8" Screw
- ④ Batteries
- ⑤ Warming Filter (HR672W/HR672S)
- ⑥ CTO
- ⑦ 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.



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.



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 previous LED lights, Amaran HR672C also supports to charge one by one even plugging in adaptor with "Power Switch" off.

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	0.5M	676	7300
	1M	193	2080
HR672S	0.5M	1204	13000
	1M	444	4800
HR672C	0.5M	613	6620
	1M	178	1920

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. Sony is a trademark or registered trademark of Sony Corporation in the P.R.C. and other countries.

Aputure®
爱图仕

Amaran

Perfect LED Lighting Solution

“艾蒙拉” LED摄影灯



使用者指南

672KIT



目 录

安全须知	1
前言	2
一、产品功能简介	3
主要特点	3
二、各部件名称	4
1. LED灯	4
2. 遥控器	5
3. 各附件名称	5
三、前期准备	5
1. 安装	5
2. 通电	5
3. 遥控器操作	6
4. 状态显示	6
四、操作	7
1. 远程操作	7
2. 手动操作	8
五、产品规格	10
六、注意事项	11

安全须知

为了防止对产品造成损害或伤害到您自己或他人，请在使用前充分阅读下面的安全须知，并妥善保管以便所有本产品使用者可随时参阅。

请勿自行拆卸或改装

违反此警告可能会触电或导致产品故障。若本产品因为摔落或其它意外事故造成破损，请取下电池，并送到专业维修店维修。

保持干燥

- 请勿用湿手操作，禁止将产品置于水中或在雨中作业。否则可能引起火灾或触电。
- 请勿在有易燃气体的环境下使用，违反此警告可能引起爆炸或火灾。

置于儿童接触不到的地方

本产品包含的零部件，有可能造成窒息的危险。如果儿童不小心吞食了零件，请立即送往医院救治。

请勿暴露于高温环境

请勿将本产品置于阳光直射下的封闭的车辆内或其他高温环境。否则可能导致产品发生爆炸。

电池使用安全事项

- 只能使用本手册中指定的电池，使用非原厂匹配或规定以外的电池有可能造成设备的损坏。
- 在替换电池之前，请确认已关闭电源。
- 请勿将电池投入火中或加热升温。

电源适配器使用安全事项

- 请勿用湿手接触插头或适配器，否则可能导致触电。
- 请勿损坏、拆卸、用力拉拽电源线，勿将其置于重物之下，也勿将其靠近热源或火焰。若发现电源线破损时，请将其送至维修处进行检查维修，否则可能导致火灾或触电。
- 若插头金属部分或周围有灰尘，应用干布将其擦去。

前言

感谢您购买爱图仕“艾蒙拉”LED摄影灯HR672系列产品。本产品由精心设计的672颗CRI95+灯珠制造而成，使拍摄画面颜色更加真实；以频道、群组区分，并加入全新的远程无线控制模式适应多种应用，使您对不同频道和群组的亮度和色温进行远程调控，操作简易，极大的方便了您的使用。使用前，请先阅读完本说明书，以便您能充分地灵活运用本产品的功能。



一、产品功能简介

当您使用单反相机或摄像机进行拍摄时，常因光线不足而影响拍摄效果。爱图仕“艾蒙拉”LED摄影灯HR672系列产品为您提供了一个可分组、无线遥控且充足稳定的光源。其采用2.4GHz射频遥控，CRI95+灯珠，PWM调光技术，光照范围广，亮度均匀，色温稳定，而且外形精致小巧、携带方便，是您室内或户外拍摄补光的最佳拍档。

主要特点

功能：

1. 2.4GHz无线遥控功能
2. 无频闪
3. 群组功能,可对4组LED灯精确控制
4. 数字显示亮度百分比
5. 无线调节光亮度
6. 数字显示色温 (HR672C)
7. 无线调节色温 (HR672C)
8. 可直接用锂电池或通过适配器供电，并带智能充电系统
9. 四级电池电量显示

设计：

1. 精致小巧，只有IPAD大小
2. 搭配灯架支撑柱，方便调整LED灯角度
3. 搭配白色柔光片

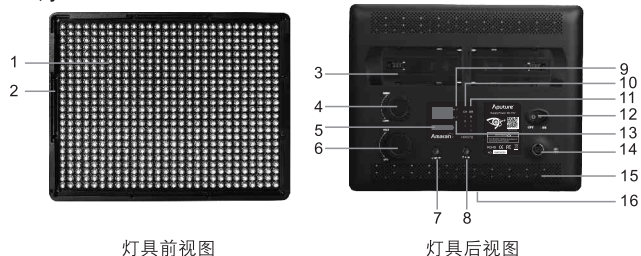
性能：

1. 高显色性LED灯珠 (Ra>95)，真实还原色彩
2. 精选优质灯珠，稳定如一，寿命长达100,000小时
3. 采用PWM调光技术，低功耗
4. 高效节能，绿色环保
5. 优良的散热性能

4. 搭配3200K橙色色片 (HR672W/HR672S)
5. 附送精美提包(单个包装)

二、各部件名称

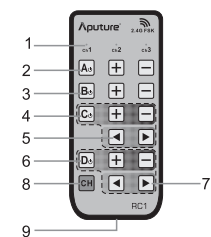
LED灯



灯具前视图

灯具后视图

遥控器



附件



1. LED灯

前视图

- ① LED灯珠
- ② 色片/柔光片卡槽

后视图

- ③ 电池仓
- ④ 色温调节旋钮(HR672C)
- ⑤ 电量指示灯
- ⑥ 亮度调节旋钮
- ⑦ 频道按键
- ⑧ 群组按键
- ⑨ 色温显示灯(HR672C)
- ⑩ 频道显示
- ⑪ 群组显示
- ⑫ 电源开关<ON/OFF>
- ⑬ 亮度显示灯
- ⑭ DC接口
- ⑮ 散热孔
- ⑯ 1/4" 螺孔

2. 遥控器

- ① 频道指示灯
- ② A组亮度调节按键
- ③ B组亮度调节按键
- ④ C组亮度调节按键
- ⑤ C组色温调节按键
- ⑥ D组亮度调节按键
- ⑦ D组色温调节按键
- ⑧ 频道按键
- ⑨ 电池仓

3. 各附件名称

- ① 电源适配器
- ② 灯架支撑柱
- ③ 1/4"转3/8"螺杆
- ④ 2节F970电池
- ⑤ 橙色色片(HR672W/HR672S)
- ⑥ 白色柔光片
- ⑦ 提包

三、前期准备

1. 安装

将1/4"转3/8"螺杆顺时针旋入LED灯底部(或侧面)1/4"铜螺母中,并旋紧;通过灯架支撑柱连接1/4"转3/8"螺杆和灯架,调整合适角度并旋紧固定。



2. 通电

1) 使用电源适配器

将电源适配器分别接入电源插座和摄影灯DC电源接口中。



2) 锂电池安装

将锂电池的插孔插入LED灯电池仓的顶针中，并固定好锂电池。

📖 小贴士：

本产品适用锂电池型号为索尼NP-F系列：NP-F550/F570/F770/F960/F970；NP-FM/QM系列：FM50/FM51/FM55H/FM500H/QM50/QM51/QM71D/QM91D。



3. 遥控器操作

遥控器出厂时，电池仓内都插有绝缘片，使用前请先拔出电池绝缘片再进行使用。

4. 状态显示

接上电源，打开电源开关，“艾蒙拉”LED摄影灯会显示产品的当前状态。



1) 频道、群组显示

HR672系列灯可显示LED灯的频道、群组状态，共1、2、3三个频道和A、B、C、D四个群组。

2) 电量显示

- HR672系列摄影灯单独使用电源适配器时，电量指示灯全亮；
- 单独使用锂电池时，指示灯显示当前电量；
- 同时使用电源适配器和锂电池时，电量指示灯将显示充电状态，充满后4个LED灯全亮。

📖 小贴士：

电量较低时，电量指示灯将显示为红色，此时应尽快充电或更换电池。

3) 亮度显示

HR672系列摄影灯亮度可调范围为10%–99%，LED指示灯将以10到99显示。

4) 色温显示 (HR672C)

HR672C摄影灯色温可调范围为3200K–5500K，LED指示灯将以32–55显示。

四. 操作

1. 远程操作

1) 频道、群组设置及显示

爱图仕HR672系列摄影灯具有2.4G无线遥控功能，LED灯后面板上有显示LED灯当前频道及群组；按频道(或群组)按键可进行频道(或群组)的切换，相应频道(或群组)的LED灯闪烁指示当前频道(或群组)。

2) LED灯亮度、色温调节

将遥控器和需调节的LED灯选择在同一频道下，对LED灯进行分组，并选一组进行调节。

A 亮度调节

按下遥控器选定群组的<+/->键即可调节对应群组的LED灯的亮度，每按一次亮度变化1%。

B 色温调节 (仅限HR672C)

首先需将HR672C的群组设为C组(或D组)，按下遥控器C(或D)群组色温的<◀/▶>方向键，可调节对应在C(或D)群组中HR672C的色温，每按一次色温变化100K。



📖 小贴士：

1. 按 **CH** 可进行频道切换。
2. 长按遥控器上的亮度或色温对应的 **<+/->** 或 **<◀/▶>** 键可快速调节相应的亮度或色温。
3. 手动模式和自动模式互相切换时，亮度或色温会突然变化，此属正常现象。
4. 请勿覆盖遥控器背后的天线区域，以防影响遥控距离和遥控灵敏度。

2. 手动操作

1) LED灯亮度、色温调节

A 亮度调节

顺时针旋转亮度调节旋钮，亮度增强，反之，亮度减弱；

B 色温调节

顺时针调节色温旋钮，色温增加，反之，色温减小。（仅限HR672C）。

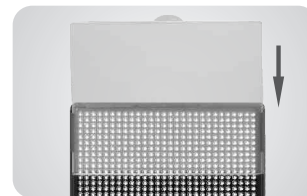


📖 小贴士：

HR-672C显示屏默认为亮度显示。在调节完色温后，5秒内无操作，显示自动回到亮度显示状态。

2) 色片、柔光片安装

可根据需要选择色片或柔光片，然后按照图示，直接从产品上部的卡槽插入即可。



3) 充电功能

爱图仕HR672系列摄影灯在电源适配器和锂电池同时使用时，优先使用电源适配器提供的电源，并直接对锂电池充电。在使用电源适配器，但不打开灯板电源开关时，“艾蒙拉”同系列摄影灯只支持同时对两节电池进行充电，爱图仕HR672在此功能上还支持分别对单支电池进行充电。

五、产品规格

规格 \ 型号	HR672W	HR672S	HR672C
工作电流 (含充电电流)	≤ 4A	≤ 4A	≤ 4A
功耗	45W	45W	45W
光照角度	75°	25°	75°
色温	5500K	5500K	3200-5500K
工作电压	DC 15V		
平均寿命	≥ 100,000小时		
散热方式	自然通风		
遥控工作频率	2.4GHz		
无线频道	3个		
可分群组	4个 (A/B/C/D)		
遥控距离	≤ 30m		
体积(长X宽X高)	238*190*32mm		
净重	585g		

亮度测试数据

型号	距离	英尺烛光(ftc)	勒克斯(Lux)
HR672W	0.5米	676	7300
	1米	193	2080
HR672S	0.5米	1204	13000
	1米	444	4800
HR672C	0.5米	613	6620
	1米	178	1920

六、注意事项

1. 当摄影灯点亮时，切勿直视。
2. 使用过程中，散热口切勿有遮盖物以免影响产品散热而损坏设备。
3. 避免将摄影灯放置在如酒精、汽油等易燃或易挥发的溶剂附近。
4. 切勿将任何物体放置在摄影灯上或使液体掉入其内部。
5. 当摄影灯放在或靠在其他物品上时，请关掉摄影灯，否则有可能会造成火灾或损坏摄影灯。
6. 搬动灯架时切勿使摄影灯朝下。
7. 当清洁摄影灯时，请选用干软布沾上中性清洁剂将其污垢擦去，切忌使用烈性的清洁剂，如稀释剂、汽油或酒精等。
8. 若长期不使用遥控器，请将遥控器电池取出保存。

此说明书依据本公司严格测试制定。设计和规格如有变更，恕不另行通知。
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