



SYNCFO IRIS

动态及时色度仪

Live Dynamic Color Analyzer

使用说明书

User Manual

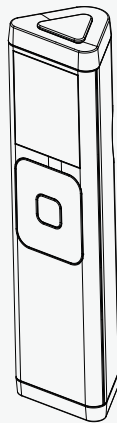
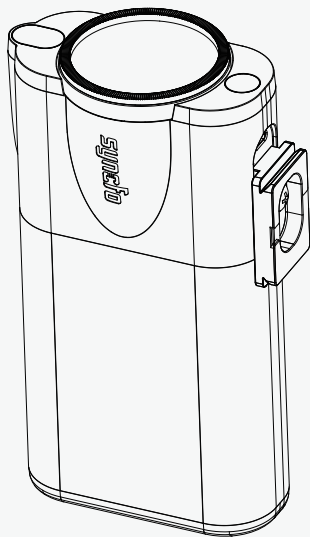
使用IRIS请仔细阅读说明书

Please read user manual clearly before using IRIS



请扫描下载SYNCFO APP

Scan to Download SYNCFO APP





首次开机说明

Initial Start-up operation



首次打开包装盒时，请检查设备和配件是否如清单展示。

When you open your box first time, please check the unit and accessories are all included as in the list.

A 设备 + 配件图 Image of Unit + Accessory Parts/Tools

1 色度仪主机
Analyzer Unit

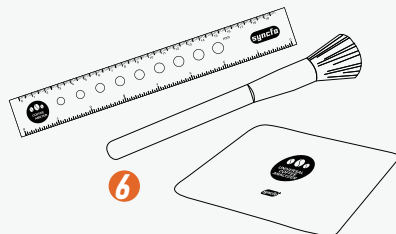
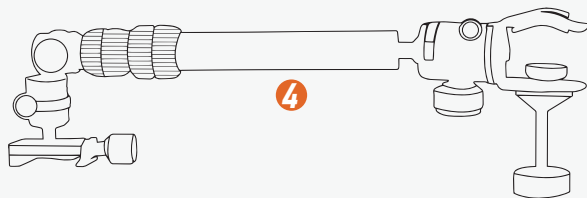
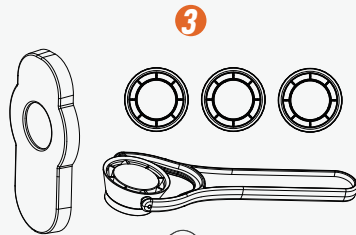
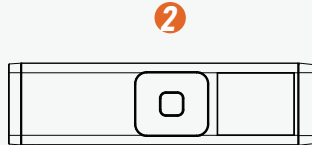
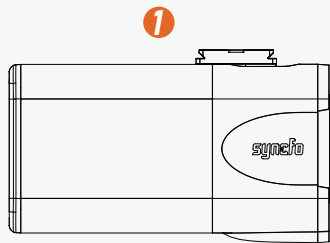
2 遥控器
Remote Controller

3 校正工具
Calibration Tools

4 固定支架
Stand

5 国际电源转接头
International Power Adapter

6 配件包
Accessories



B 开/关机 On/Off

主机 Min unit

1、开机: 触摸开机 (图1)
Turn on: Tap.(Figure 1)

2、关机: 断电源
Turn off: Push and hold 2 second.

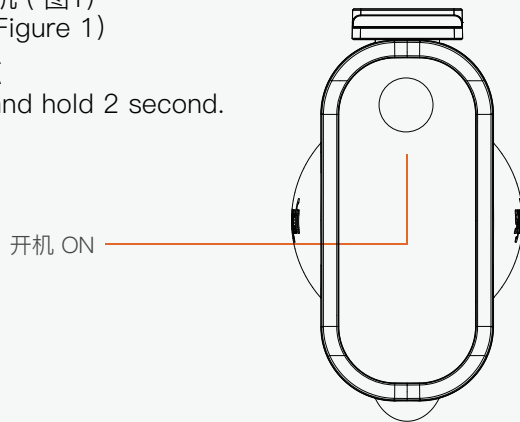


图1
Figure 1

遥控器 Remote Control

1、开机: 短按开机 (图2)
Turn on: Tap.(Figure 2)

2、关机: 长按2秒 (图2)
Turn off: Push and hold 2 second.(Figure 2)

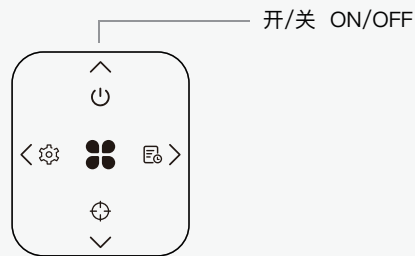


图2
Figure 2

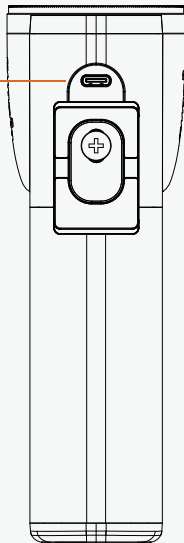
C 充电 Charge

主机 Min unit

请如照片显示充电 (图3)
Please charge as shown in the picture. (Figure 3)

Type-C 充电口
Type-C charging port

图3
Figure 3



首次使用IRIS设备之前请为遥控器充满电再使用
Important: Charge the remote before first use

遥控器 Remote Control

请如照片显示充电 (图4)
Please charge as shown in the picture. (Figure 4)

● —— 红色灯 充电中 Red light = Charging

● —— 绿色灯 充电完成 Green light = Fully Charged

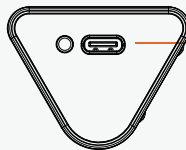


图4
Figure 4

Type-C 充电口
Type-C charging port



操作说明

Operation Manual

A 下载 SYNCFO APP使用软件

Download SYNCFO APP

·扫描设备随附的二维码

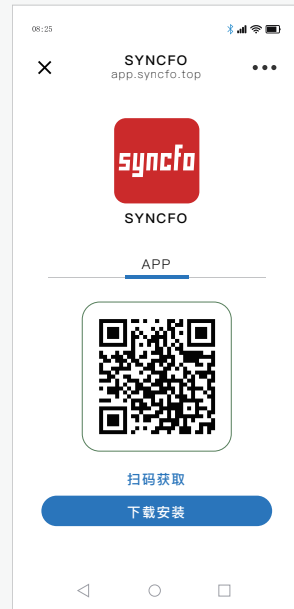
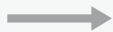
Scan the QR code included with your unit



请扫描下载SYNCFO APP

Scan to Download SYNCFO APP

下载并安装
Download and Install

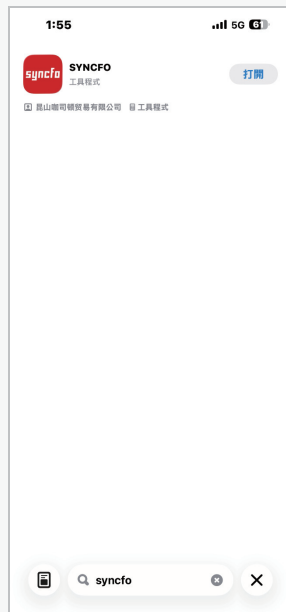


·在 Apple App Store (iOS) 或 Google Play (Android) 中搜寻「SYNCFO」并下载该应用程序。

Search “SYNCFO” in the Apple App Store (iOS) or Google Play (Android) and download the app.

·安卓版本必须10以上

Android version must above V. 10



B 开启 IRIS 设备

Power IRIS unit.

使用此设备，须下载APP并与蓝牙连线。

To properly use this device you needs to download the Syncfo App and connect with bluetooth.

原因：当您将装置连接到 Syncfo 应用程序时，主机和遥控器的日期和时间会自动同步。如果您跳过此步骤，您的日期/时间将不正确，这可能会导致时间戳错误的记录和资料保存错误。

Reason: The date and time for both the main analyzer unit and the remote control are automatically synchronized when you connect the device to the Syncfo app. If you skip this, your date/time will be incorrect, which can lead to wrongly time-stamped records and data errors.

- (1) 开启 SYNCFO应用“ SYNCFO ME”，然后选择 IRIS。
Open the SYNCFO app, tap SYNCFO ME, then choose IRIS.



(2) 应用程序会自动侦测附近的 Syncfo 装置。

使用序号选择您的设备。

The app will automatically detect nearby SYNCFO devices. Select your unit by its serial number.

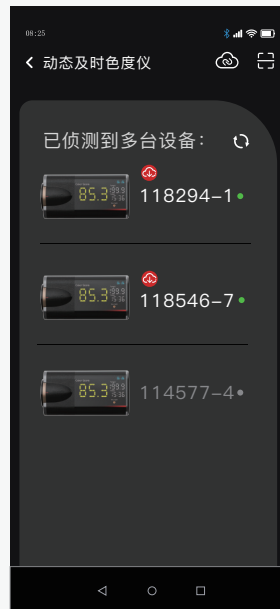
(3) 装置同步完成后，系统会提示您是否要下载新档案，确认即可开始下载。

After the unit syncs, a prompt will appear asking if you want to download(Sync) new files. Confirm to begin downloading.



代表该设备可升级更新

New updates are available



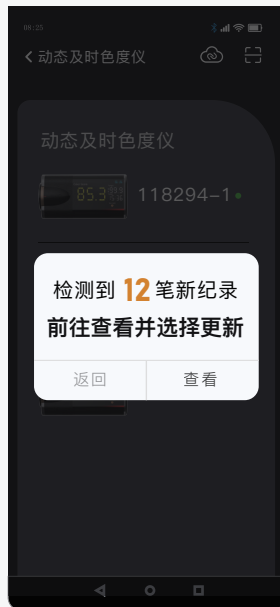
(4) 选择并管理文件

Select and manage files

- 历史文件依日期和时间排序，方便您快速找到所需内容。
- History files are organized by date and time, making it easy to find what you need.

如上所述，请将所有档案下载到您的手机，以便您可以在应用程序内删除、储存/汇出和共享这些档案。

As recommended above, download(SYNCFO) all files from unit to your phone so you can delete, save/export, and share them from within the app. Ther file(s) you did not pick to download (SYNCFO) will be automatically remove and delected from the unit.



我们建议您每天在烘焙结束后，将所有已储存的资料下载到 SYNCFO 应用程序。

We recommend downloading all saved data to the Syncfo app each day after you finish roasting.

- IRIS 设备最多可储存 30 个资料档。
- The IRIS unit can store up to 30 data files.
- 当新档案超出此限制时，系统会自动以最新档案取代最旧的档案。如果有同步下载后，设备历史将会清光。
- When a new file would exceed this limit, the oldest file is automatically replaced by the newest. if you download (Sync) history files. The unit data will be clear.
- 重要提示：IRIS 装置上的历史档案必须先同步下载到SYNCFO App，才能删除、储存/汇出或共享。当你同步下载后，不同步下载的历史档案将会自动设备删除。
- Important: History files on the IRIS unit cannot be deleted, saved/exported, or shared unless they are first downloaded (Sync) to the SYNCFO app. The history files that you did not pick to download (Sync) to SYNCFO App will automatically removed from the history of unit.



在应用程序中使用历史数据

Working with history data in the app



将历史资料从 IRIS 装置下载到 SYNCFO 应用程序后，您可以：

After you download history data from the IRIS unit to the SYNCFO App, you can:

- 将资料转换为折线图进行比较。（最多5条）（图5）
- Convert data into a line graph for comparison. (Max 5 files) (Figure 5)

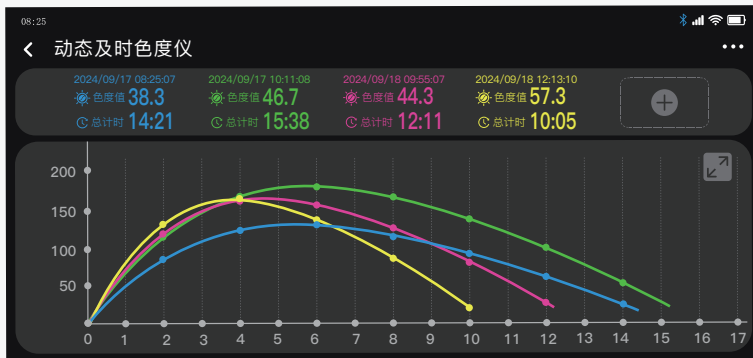


图5
Figure 5

- 汇出至 Excel 档案进行存档或共享。（最多5条）（图6）
- Export to an Excel file for archiving or sharing. (Max 5 files) (Figure 6)

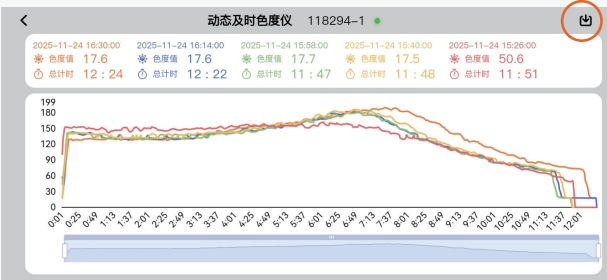


图6
Figure 6



	A	B	C
1	日期	时间	色度值
2	2025/11/24	16:30	0:01 17.3
3	2025/11/24	16:30	0:02 18.1
4	2025/11/24	16:30	0:03 40
5	2025/11/24	16:30	0:04 40
6	2025/11/24	16:30	0:05 62.9
7	2025/11/24	16:30	0:06 85.8
8	2025/11/24	16:30	0:07 85.8
9	2025/11/24	16:30	0:08 107.5
10	2025/11/24	16:30	0:09 107.5
11	2025/11/24	16:30	0:10 128.7
12	2025/11/24	16:30	0:11 129.5
13	2025/11/24	16:30	0:12 129.5
14	2025/11/24	16:30	0:13 129.7
15	2025/11/24	16:30	0:14 130.5
16	2025/11/24	16:30	0:15 130.5
17	2025/11/24	16:30	0:16 127.2
18	2025/11/24	16:30	0:17 127.7
19	2025/11/24	16:30	0:18 127.7
20	2025/11/24	16:30	0:19 128.2
21	2025/11/24	16:30	0:20 128.2
22	2025/11/24	16:30	0:21 128.2
23	2025/11/24	16:30	0:22 128.5
24	2025/11/24	16:30	0:23 128.5

图7
Figure 7

您的手机或平板计算机必须安装 Microsoft Excel (Microsoft Office) 才能使用此汇出功能。（Excel 档案）（图7）

Your phone or tablet must have Microsoft Excel (Microsoft Office) installed for this export function. (Excel file) (Figure 7)



产品规格

Product Specification



● 产品名称 Product Name

SYNCFO IRIS

● 色度值测试范围 Color Range

0 – 199.9

● USB电源适配器 USB Power Adapter

110V/220V to 5V

● 净重 Net Weight

色度仪主机：380g

Analyzer Unit: 380g

遥控器：140g

Remote Controller: 140g

● 认证 Certification

CE、FCC

● 尺寸 Size

色度仪主机：180×100×60mm

Analyzer Unit: 180×100×60mm

遥控器：159×43×33mm

Remote Controller: 159×43×33mm

● 显示器 Display

色度仪主机：数码管

Analyzer Unit: Digital tube

遥控器：LED屏幕

Remote Controller: LED Screen

● 电源 Power

色度仪主机：直流电线

Analyzer Unit: Direct charging by cable

遥控器：锂电池

Remote Controller: lithium battery

● 工作范围 Operating Range

10米以内 (无障碍物与墙面)

Within 10 meters

(without obstacles or walls)

请勿超出，否则导致计时延迟

Do not over or it will cause timing delay.



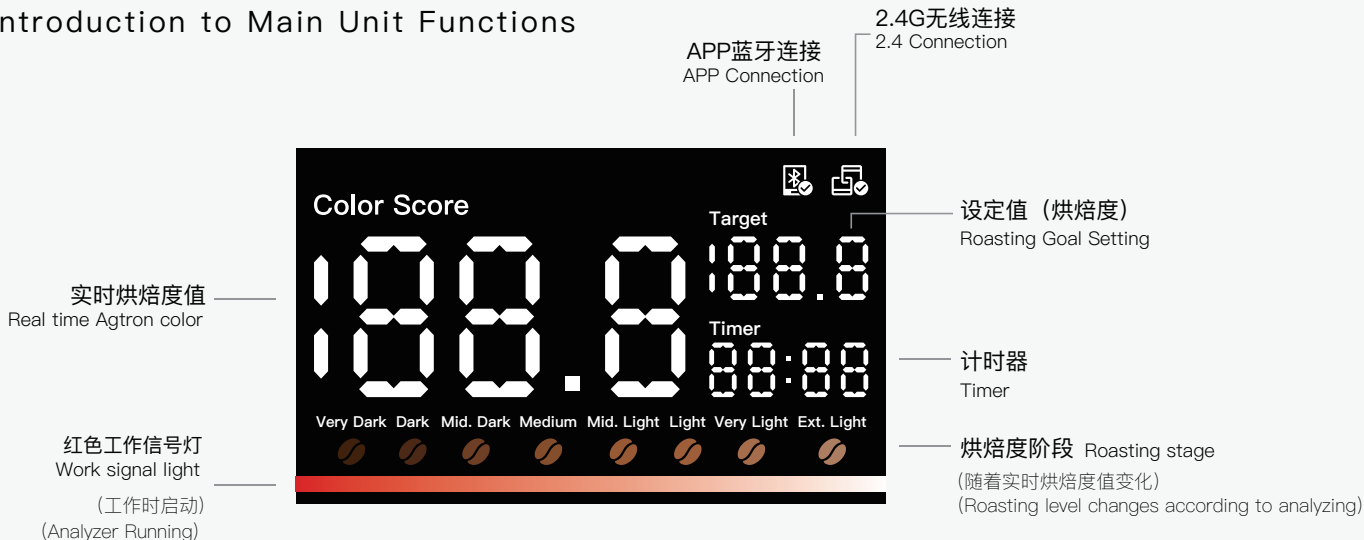
功能说明

Functions Description



A 主机屏幕功能介绍

Introduction to Main Unit Functions



B 遥控器按键操作说明

Remote Control Button Operation Instructions

实时色度值三种不同颜色:

Three different colors for three different value zone.

○ 白色 White :

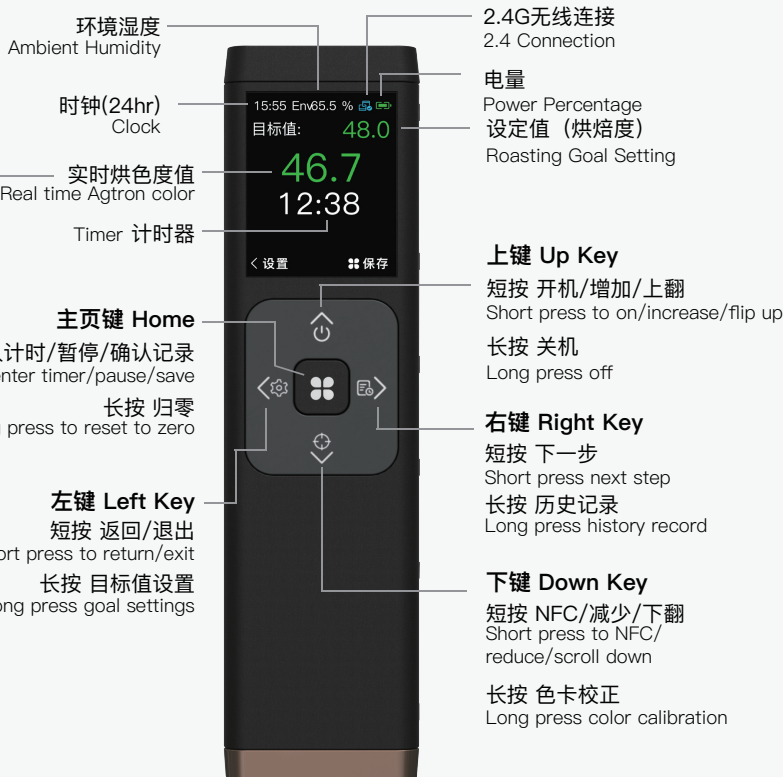
测出的Agtron色度值高于目标并超过10度
When analyzing result is 10 or higher than goal

● 绿色 Green :

检测出的Agtron色度值高于目标并接近0 - 10 度
When analyzing result is within range 10~0 from goal

● 红色 Red :

检测出的Agtron色度值低于目标
When analyzing result is reach or lower than goal



C 关于NFC使用重要提示

Important notice on NFC Usage

NFC 系统仅在以下情况下可用：

遥控器无法与 IRIS 设备同步，或更换遥控器。

NFC system usage are only one condition.
When you remote are not able to sync with
IRIS unit or you are switching or changing
your remote controller.

操作方法：

第一步：遥控器程序进入 NFC 模式 (图8)

Operating:

Step one: The remote control program enters
NFC mode (Figure 8).



图8
Figure 8

第二步：找到遥控器上侧面的 NFC 标志，并靠近 IRIS 设备，遥控器将自动接收信号并自动同步两个设备（图9）。

Step two: Find the NFC logo on remote and move close to the IRIS unit. It will autocapture the signal and auto sync both unit. Figure 9).

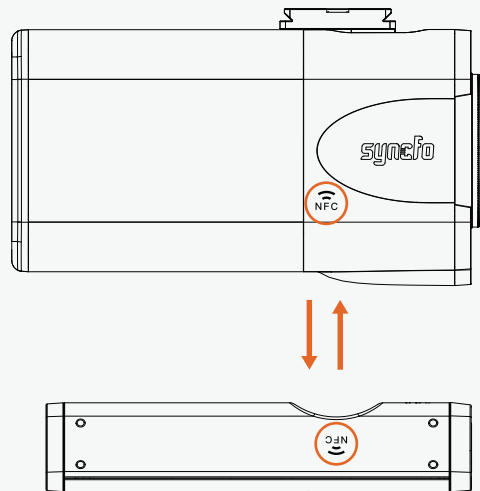


图9
Figure 9

D 安装支架/主机定位

Stand Installation/ Main Unit Positioning



扫码可观看完整安装视频
Scan QR Code for Full Operation Video

E 色卡校正

Color Chart Calibration

校正色卡共有深、中、浅3个颜色，校正时请由深色、中色、浅色依次排序校正。校正过程中需确认每个卡号数。（图6）

The calibration plate has three colors: dark, medium, and light. Calibrate in order from dark, medium, to light. Confirm each card number during calibration.(Figure 6)

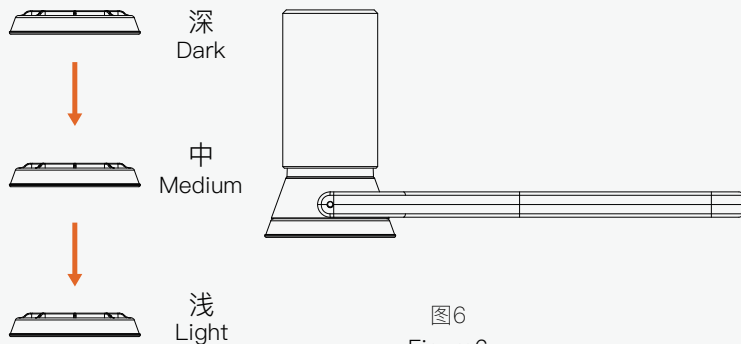


图6
Figure6

F 不同设定

Different Settings

SYNCFO APP 可设定遥控器为主，
还是SYNCFO APP为主。

SYNCFO APP can be set to prioritize as the
remote or the SYNCFO APP.



下拉页面
Scroll down





注意事项

Precautions



1. 激光发射口不可直接照射眼睛和皮肤！严禁直接用手接触测温探头尖端，皮肤油脂会腐蚀传感器镀膜层！

Laser Emission Port: Do not directly shine it into eyes or skin! Do not directly touch the temperature measurement probe tip with your hands, as skin oils can corrode the sensor coating!

* 激光发射口清洁规范：关闭电源后，用无尘布单向擦拭激光窗口，禁止使用含酒精的清洁剂。

Cleaning Specification: After turning off the power, use a lint-free cloth to wipe the laser window in a single direction. Do not use alcohol-based cleaners.

2. 如果检测仪有任何移动、需要重新校正来确认检测的准确度。

If the analyzer is moved, recalibration is required to ensure accuracy.

3. 请在开始纪录曲线前确认检测仪是由”遥控器”或“SYNCFO APP”在控制设备！检测仪只会选定其中一项被遥控，在纪录过程中请勿变换控制方式，否则已记录的数据包会丢失。

Before start recording a data, Please confirm that the analyzer is being controlled via either the "Remote Control" or "SYNCFO APP." The analyzer will only recognize one signal source during usage and cannot be changed. Changing in half way may cause analyzing data and information in different.

4. FCC警告：本设备符合FCC规则第15部分的规定。操作须符合以下两个条件：

FCC Warning This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) 本设备不得造成有害干扰

This device may not cause harmful interference;

- (2) 本设备必须接受任何收到的干扰，包括可能导致意外操作的干扰。

this device must accept any interference received, including interference that may cause undesired operation.

注1：本设备经测试符合FCC规则第15部分关于B类数字设备的限制。这些限制旨在为住宅安装提供合理的保护，防止有害干扰。本设备会产生、使用并辐射射频能量，如果未按照说明安装和使用，可能会对无线电通信造成有害干扰。但不能保证在特定安装中不会发生干扰。如此设备确实对无线电或电视接收造成有害干扰（可通过关闭和开启设备来确定），建议用户尝试通过以下一项或多项措施来消除干扰：

- 1.调整接收天线的方向或位置。
- 2.增加设备与接收器之间的距离。
- 3.将设备连接到与接收器不同的电路插座上。
- 4.向经销商或经验丰富的无线电/电视技术人员寻求帮助。

NOTE 1: 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 and can radiate radio frequency energy and, if not installed and used in accordance with the 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:1.Reorient or relocate the receiving antenna. 2.Increase the separation between the equipment and receiver.3.Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.4.Consult the dealer or an experienced radio/TV technician for help.

注2：未经负责合规性的一方明确批准而对本设备进行的任何更改或修改，都可能导致用户操作该设备的权限失效。本设备已通过评估，符合一般射频暴露要求。本设备可在便携式暴露条件下使用，不受任何限制。

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.



公司联络信息

Company Information



建芯科技有限公司

KRATOR TECHNOLOGY CO., LTD.



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