



Thanks for purchaing **TINY BEAT** Music Reactive RGB LED Light! The product equips with a high-quality ECM microphone and a MCU controller to pick up ambient sound and convert it to spetrum signals, and diplayed with 32/72 RGB LEDs to show dynamic light effects.

FEATURES

- 32bits MCU controller
- Build-in bluetooth controller, APP control supported
- Auto noise filtering and accurate music rhythm acquisition
- Build-in 32 programable RGB LEDs
- Three lighting modes and hundreds of light effects
- Rich personalized setting to create unlimited light effects

WARNING

- Only use DC5V USB adapter. Do not use fast -charging adapter, or high voltage will cause damage.
- Do not blow air to the microphone.
- Lower the brightness when using light effects with all the LEDs lit up. Such light effects will generate more heat and may cause damage to elecronis parts.

MAINTENANCE

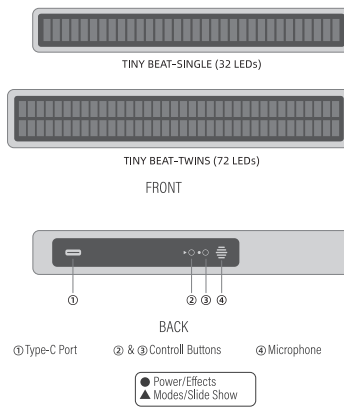
The screen of the product is not scratch-resistant. Do not touch it with fingure nails or hard substances. When cleaning the screen, use moist and soft cloth.
The product is made of solid wood. Avoid using this product in high temperature/moisture environment to help prevent it from cracking or deformation.

CONTENTS

LED light, TYPE-C power cable, user manual

Notes: USB adpater is not provided. Use good quality of adapter will ensure better product experience.

INTRODUCTION

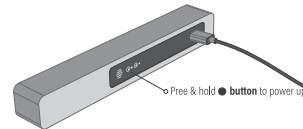


OPERATION

**Actually product operation methods may be different to following instructions due to future product upgrade. Please in kind previal.*

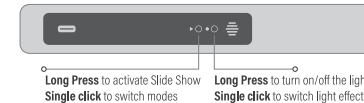
I. Quick Start

Connect the light to the USB adapter (not provided) with the provided TYPE-C cable. Press and hold ● button for 3 seconds to turn the light on.
The light will jump to the first light effects of **Music-Matrix** mode for the first start up. For the future start up, the last selected effect/mode will be restored.



II. Light Effects/Modes

The product presets with 3 modes and can be easily selected by pressing the ▲ button. Each mode includes numerous fantastic light effects. By pressing the ● button, you can easily choose your favorite effects. Setting from APP is supported.



i. Effects Mode

Continuously display one effect. 108 light effects included, only five of them can be selected by pressing ● button. You can browse and choose all of the 108 effects from APP.
Notes: Lower the brightness when using light effects with all the LEDs lit up in this mode. Such light effects will generate more heat and may cause damage to elecronis parts.

ii. Music-Strip Mode

Light reacts to the music rhythm. 18 light effects included and can be changed by clicking ● button or selecting from the APP.

iv. Music-Matrix Mode

Light reacts to the music rhythm. 30 light effects included and can be changed by clicking ● button or choose from the APP.

III. Activate Slide Show

Press and hold ▲ button for 3 seconds under any mode to activate slide show which displays all the effects by turns.

APP INSTRUCTIONS

TINY BEAT Music light embeds a powerfull bluetooth controller to achieve over 20-meter wireless controll by a well-designed APP. Various personalized settings are available in the APP.

I. Install the APP

Scan the QR code to download the APP, APP (Search for **LED Chord**) is also available in App Store and Google Play .

Notes: IOS Requires version 10.0 or later AND
Android OS Requires version 4.4 or later.

II. APP Connection

1. Turn on the Bluetooth and Location premission;
2. Open the APP, drag to refresh the device list, select device name "TINY BEAT" to connect the controller, once connected you will able to rename your controller;
3. Do not change the RGB order or IC model. If default setting was changed by mistake, change them back to GRB and WS2811, or the light will not function correctly.
4. Default 1 segment and 32 pixel. Change the setting will affect how the light responing to the music.
5. After connection, tap ENTER to access light effects setting menu.

III. APP Control

The APP is very powerful yet easy to control the light colors, brightness, speed, sensitivity and many more parameters. Tap the ❶ in the right conner for detial instructions.

TIPS

The setting-free auto noise filtering function greatly improves the experience of music rhythm acquisition and generate better light effects. Follow the tips to get better product experience:

I. Music Rhythm Sencitivity

Deaflut sencitivity is 50% . It is recommented to set the sencitivity according to the actual conditions and the music volume. Higher sencitivity will catch more noise.

II. Find a Right Place

It is suggested to put the light next to your speaker, it will garantee an excellent lighting effects. If the light is placed far from the speaker, tune up the music volum and sensitivity accordingly.

III. Turn It Off/On

Press and hold ● button for 3 seconds to turn on/off the light when it is necessary. Unplug the power cable is not needed anymore.

PRODUCT SPECIFICATION

Product Name	Music Reactive RGB LED Light
Product Size	190x26.6x26mm/ 212x34x26mm
Material	Walnut/Maple
Light Source	RGB LED
Power	5W
Input Voltage	DC5V/1A
Power Interface	TYPE-C
Net Weight	100g/125g



MUSIC REACTIVE RGB LED LIGHT

感谢您购买**TINY BEAT**幻彩LED音乐节奏灯!

本产品通过内置高灵敏硅麦克风拾取外部声音信号，通过内置MCU控制器将声音信号转换为声音频谱信号，最后由32/72颗幻彩LED灯珠展现赋有节奏韵律的动感灯效。

产品特点

- 内置32位MCU控制器
- 内置蓝牙芯片，支持手机APP控制灯效
- 自动过滤环境噪音，准确识别音乐律动
- 32/72颗可独立编程的幻彩LED灯珠
- 内置三种灯光模式，上百种灯效
- 强大的灯效分段功能，灯效千变万化

警告

- 禁止使用具有快充功能的手机充电器供电，以免烧毁电子元件
- 请勿对收音孔吹气，以免损坏内置高灵敏收音麦克风
- 由于灯效展示模式中的单色常亮灯效和个别常亮灯效的LED灯珠功耗和发热较大，请适当降低亮度并勿长时间或在高温环境开启此类灯效，以免损坏电子元件

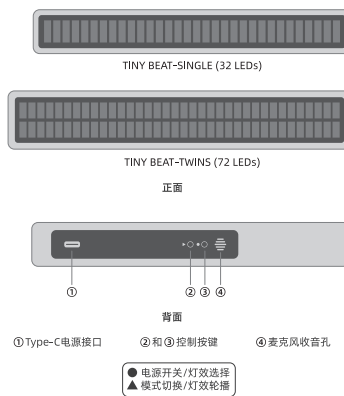
产品维护

产品屏幕为亚克力材质，不耐刮，请勿用指甲或者硬物直接接触屏幕。屏幕脏污时，请使用湿润柔软的眼镜布擦拭。
产品外壳为实木材质，避免在阳光直射和潮湿的环境下使用本产品，以免实物外壳变形或者开裂。

包装清单

节奏灯主体，TYPE-C电源线，产品使用手册
注意：本产品不提供USB电源适配器。请选购正规厂家生产的经过国家CCC认证的5V输出USB电源适配器。

了解本产品

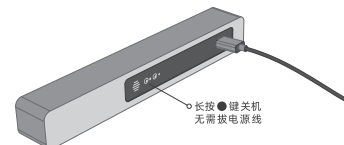


操作说明

(*由于产品升级/改版，产品的规格和操作可能会有所调整，恕不另行通知。)

一. 接通电源

使用提供的TYPE-C电源线将节奏灯和DC5V USB适配器(自备)连接起来，节奏灯随即开启。
首次通电开机或每次拔掉电源线重新连接后开机都会出现开机动画灯效。首次通电，开机后会自动跳转至“**音乐-灯屏模式**”的1号灯效。以后断电重新开机后将自动恢复至断电前的模式和灯效。



二. 模式和灯效选择和设置

本产品内置三种灯效模式，可通过单击产品背面的▲键快速切换。每种模式都内置了丰富的炫酷灯效，可通过单击背面的●键进行快速的切换选择，也可以通过手机APP进行更灯效的设置。



1. 灯效展示模式

持续展示指定灯效。内置108种灯效，为方便选择，通过单击●键可切换其中5种。通过手机APP可以切换选择所有灯效。
APP内也提供了丰富的选项对预设灯效进行颜色/对比度/灯效速度的个性配置。

注意：

由于灯效展示模式中的单色常亮灯效和个别常亮灯效的LED灯珠功耗和发热较大，请适当降低亮度并勿长时间或在高温环境开启此类灯效，以免损坏电子元件。

2. 音乐-灯条模式

根据音乐律动显示灯效。内置18种灯效，通过单击●键可以依次切换。
APP内也提供了丰富的选项对预设灯效进行颜色和麦克风收音灵敏度的个性配置。

3. 音乐-灯屏模式

根据音乐律动显示灯效。内置30种灯效，通过单击●键可以依次切换。
APP内也提供了丰富的选项对预设灯效进行落点颜色、音柱颜色和麦克风收音灵敏度的个性配置。

三. 灯效轮播功能

在任意模式下长按▲键三秒开启轮播功能。轮播功能开启时，会轮流展示当前模式下内置的所有灯效。

手机APP的使用

TINY BEAT 节奏灯内置蓝牙芯片，配合手机APP可以实现距离长达20米的远程控制。通过手机APP，可以对内置的灯效进行炫酷的个性化设置。

一. 安装手机APP

本产品可通过手机APP控制，支持苹果IOS和安卓系统。扫描右侧二维码下载对应手机平台的APP。也可以在App Store、Google Play等软件市场搜索**LED Chord**进行下载。
注意：苹果手机需要IOS10.0或者更高版本，安卓手机需要Android 4.4或者更高版本。



二. APP连接

1. 开启手机(或平板)的蓝牙功能，并打定位权限。
2. 打开APP，下拉刷新设备列表，找到名为**TINY-BEAT**的设备，点击连接。如果有多个设备同时使用，连接成功后可以长按设备名更改设备名称以便识别。
3. 切勿修改RGB通道顺序和IC型号。如果误修改了，请自行将RGB通道顺序调为GRB，IC型号调整为**WS2811**。否则节奏灯会不正常显示。
4. 默认的段数和点数为1和32。不同的配置可以实现灯效的微妙变化。
5. 设置完成后，点击“进入”既可以对节奏灯的灯效进行进一步的选择和个性化设置。

三. APP的使用

通过APP的强大控制功能，可以非常直观方便的控制节奏灯的颜色，亮度，速度和灵敏度等参数。
点击APP设置界面右上角❶查看APP的详细使用说明。

节奏灯使用提示

本产品内置成熟的噪音过滤功能，无需任何繁琐的设置便能对环境的噪音进行有效的过滤，准确识别音乐的人声和节拍从而转换为炫酷的动感灯光效果。请参考以下使用提示已获得最佳效果。

一. 灵敏度的选择

出厂预设灵敏度为50%，根据使用环境和音乐音量大小选择合适的灵敏度。在合适的灵敏度下，灯效的动态会更符合当前音乐律动。更高的灵敏度可能会收录更多的环境噪音。

二. 节奏灯的位置摆放

建议将节奏灯摆放在音源附近，以获得最佳效果。如果放在离音源较远的位置，请将音乐音量和灵敏度调高。如果使用手机或者便携小音箱播放音乐的时候，由于此类音源发出的声音传播方向较窄，建议将节奏灯放在音乐旁边以获得最佳效果。

三. 随手开/关

节奏灯设有开/关功能，长按●键3秒可以开启/关闭屏幕，无需频繁插拔电源线。

产品参数

产品名称：幻彩LED音乐节奏灯
产品型号：MRRL-S/MRRL-T
电源接口：TYPE-C
电源输入：5V=1A
光源：RGB LED
外壳材质：实木(北美黑胡桃/枫木)
外形尺寸：190x26.6x26mm/212x34x26mm
产品净重：100g/125g

广州牛礼创意科技有限公司

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