DRY STUDIO

BLACK DIAMOND 75
USER MANUAL

用户使用手册

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PRODUCT OVERVIEW

01

产品说明

产品说明

产品名称	Black Diamond 75
产品型号	DR001
重量	碳纤版：2.8KG±0.1、 秘银版：3KG±0.1
人机角度	键盘打字角度 7°
结构	Leaf Spring
驱动	自驱，全键无冲
键位 / 灯效自定义	PC 端（Windows / Mac OS）可自定义
轴固定方式	热插拔
连接方式	有线、无线蓝牙 5.1、无线 2.4G
状态灯	主板上：数字键电量提示灯、CapsLock 提示灯
USB 接口	USB 2.0，TypeC，支持 C2C
电池	锂聚合物 5000mAh
Qi 无线充电	充电功率 5W，电池电量低于 85% 开启，直到 100% 时停止
整机最大功耗	高配版 3w、标准版 2.5W

产品说明

成品套装

QUICK START GUIDE ●

02
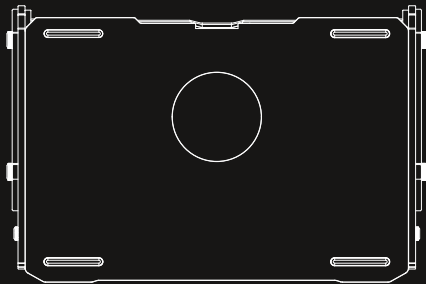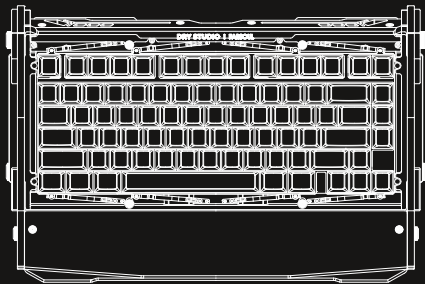
快速入门向导

快速入门向导

1. 将 Black Diamond 75 从包装中取出

2. 第一次使用需 USB 数据线连接设备以激活

3. 长按 Fn + Esc，开 / 关机

4. （非插线状态）长按 Fn + 1 3s，至 1 轴底灯白色常亮（其余轴底灯灭），进入蓝牙配对状态

5. （非插线状态）将 2.4G 接收器插入电脑 USB 接口后，按 FN + 4，数字 4 和高配版前灯绿色常亮 3 秒，则 2.4G 连接成功

6. 与目标设备蓝牙配对后，即可使用

SHORTCUT KEYS

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快捷键示意

快捷键

1、开关机

长按 Fn + Esc 3 秒

2、恢复出厂设置

Fn + R 长按 5 秒

3、多媒体组合键

Fn + F1 静音
Fn + F2 减小音量
Fn + F3 增大音量

Fn + F4 上一首
Fn + F5 下一首
Fn + F6 播放 / 暂停

4、LED/PCB 控制组合键

Fn + 【 开启 / 关闭前灯灯效（仅适用于高配版）
Fn + 】 开启 / 关闭轴底灯效
Fn+F11 轴底灯效切换
Fn + –/+ 降低 / 增加轴底灯亮度
Fn + F12 切换前灯灯效（仅适用于高配版）

Fn + ↑ 提升前灯亮度（仅适用于高配版）
Fn + ↓ 降低前灯亮度（仅适用于高配版）
Fn + ← 前灯灯效速度加快（仅适用于高配）
Fn + → 前灯灯效速度减慢（仅适用于高配）

快捷键

5、无线连接

Fn + 1：蓝牙模式下连接设备 1，长按 3 秒，直到数字"1"键和下方前灯 * 为白色常亮灯效，配对成功后转为蓝色快速闪烁灯效，共持续 3 秒；连接失败，则为红色灯效

Fn + 2：蓝牙模式下连接设备 2，长按 3 秒，直到数字"2"键和下方前灯为白色常亮灯效，配对成功后转为蓝色快速闪烁灯效，共持续 3 秒；连接失败，则为红色灯效

Fn + 3：蓝牙模式下连接设备 3，长按 3 秒，直到数字"3"键和下方前灯为白色常亮灯效，配对成功后转为蓝色快速闪烁灯效，共持续 3 秒；连接失败，则为红色灯效

Fn + 4：将 2.4G 接收器插入电脑 USB 接口后，按 Fn + 4，当数字"4"和下方前灯为绿色常亮灯效并持续 3 秒，则连接成功。连接失败，则为红色灯效

* 前灯灯效仅适用于高配版

6、切换连接设备

Fn + 1/2/3/4 可在不同设备中切换，切换过程中，对应数字键和前灯 * 均白色常亮，当蓝牙设备 1/2/3 切换成功，则对应数字键和前灯为蓝色灯效常亮，持续 3 秒后恢复轴底灯效

当 2.4G 模式切换成功，则数字"4"键和前灯为绿色灯效常亮

如果切换失败，则对应数字键和前灯显示红色灯效，常亮 5 秒后，恢复之前轴底灯显示模式

* 前灯灯效仅适用于高配版

快捷键

7、电量显示开关

Fn+P：

100% 电量： 数字键 1–0 轴底灯绿色全亮，持续 3 秒
90% 电量： 数字键 1–9 轴底灯绿色全亮，持续 3 秒
80% 电量： 数字键 1–8 轴底灯绿色全亮，持续 3 秒
70% 电量： 数字键 1–7 轴底灯黄绿色全亮，持续 3 秒
60% 电量： 数字键 1–6 轴底灯黄绿色全亮，持续 3 秒
50% 电量： 数字键 1–5 轴底灯黄绿色全亮，持续 3 秒
40% 电量： 数字键 1–4 轴底灯橙色全亮，持续 3 秒
30% 电量： 数字键 1–3 轴底灯橙色全亮，持续 3 秒
20% 电量： 数字键 1–2 轴底灯红色闪烁，持续 3 秒
10% 电量： 数字键 1 轴底灯红色快速闪烁，持续 3 秒
10% 以下电量： 数字键 1–0 轴底灯红色快速闪烁，持续 3 秒
5% 以下电量： 数字键 1–0 轴底灯红色呈慢速闪烁，持续 5 秒，该提示每 5 分钟出现一次

充电提示：

数字键 1–0 轴底灯和前灯闪烁绿色灯效 5 次，其余轴底灯熄灭

LAYERS & LAYOUTS ●

04

分层和键位说明

分层和键位说明

LAYOUT ● CUSTOMIZATION

05

键位及灯效自定义

键位及灯效自定义

1. 于 angrymiao.com/am-master/ 下载 AM Master，期间保持键盘通过 USB 连接到电脑

2. 进入 diy.angrymiao.com，顶部标签栏选择键盘型号，开始编辑键位与灯效（灯效编辑，需点击 diy 页面右下角进入）

3. 完成编辑后，生成 json 文件并下载到本地

4. 打开 AM Master，选择下载的 json 文件导入

5. 等待一会，至配置生效

键位分层：默认可通过按住 Fn 键，进入第 2 层。或通过短按自定义 Layer 键，直接切换至设定的对应层，最多可支持 7 层

BLUETOOTH & 2.4G CONNECTIONS

蓝牙和 2.4G 连接

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蓝牙和 2.4G 连接

三模（BLE 5.1、2.4G、有线连接），BLE 5.1、USB 有线连接可自动切换
2.4G 模式下配合速冰轴，可达到 2ms 内无线延迟

PACKAGING ●
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包装清单

包装清单

1. 键盘本体 x 1
2. 81 颗键轴
3. 卫星轴共 4 组（2U*3，6.25U*1）
4. 配套键帽一套
5. 2.4G 接收器
6. USB-A to USB-C 数据线
7. USB-C to USB-C 转接器

产品中有害物质名称及含量

部件名称	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
印刷电路板	X	O	O	O	O	O
金属零件	O	O	O	O	O	O
塑胶零件	O	O	O	O	O	O
电池	X	O	O	O	O	O
配件	X	O	O	O	O	O

本表格依据 SJ/T 11364 的规定编制。

O: 表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量要求以下；

X: 表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 规定的限量要求，且目前业界没有成熟的替代方案。请妥善处理此类部件或物质，以免对环境和人体健康造成影响。

根据中国电子行业标准 SJ/T 11364–2014 和相关的中国政府法规，本产品及某些内部或外部组件上可能带有环保使用期标识。取决于组件和组件制造商，产品及其组件上的使用期限标识可能有所不同。组件上的使用期限标识优于产品上任何与之冲突的或不同的环保使用期限标识

警告

- 禁止拆解、撞击、挤压或投入火中
- 若出现严重鼓胀请勿继续使用
- 请勿置于高温环境中
- 电池浸水后禁止使用
- 如果电池更换不当会有爆炸危险，仅限合格的维修人员使用相同的备件执行维修操作。 这可确保维持产品的安全性

ANTI–COUNTERFEITING
NOTICE

08

防伪须知

防伪须知

防伪声明：

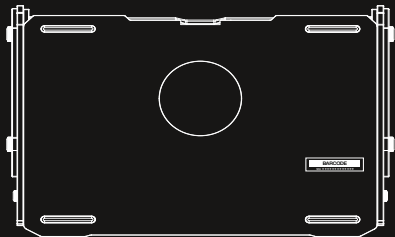为了保障您的权益及购物体验，请在产品到货后，第一时间进行防伪查询。每个 SN 码都是唯一的，且仅可以验证对应的一件商品。若无法查询到对应的 SN 码，请您仔细辨别该产品

Angry Miao 致力于为用户提供高质量的产品，我们将为产品提供注册防伪服务，凡是从官方渠道购买的产品，均可进行防伪查询

操作步骤如下：

1、登录 angrymiao.com/verify/

2、输入 SN 码

3、点击查询

每个防伪码都是唯一的，且仅可以验证对应的一件商品

若您发现购买到的产品无法注册或者注册失败，请您仔细辨别该产品

AFTERSALES SERVICE ●

09

售后服务

国内售后条款

关于退换货

1. 签收快递时请务必开箱验货，如发现物流外箱破损或产品外观明显瑕疵，请直接拒收；如发现缺少零件或配件，请保留开箱的照片或视频，在 24 小时内联系我们

2. 自签收快递之日起 7 日内（包含 7 日）可以申请退货（个人定制产品除外），第 8–15 日内（包含 15 日）仅可以申请换货，或者选择免费修理

3. 对于限量产品，同一（1）件售出的产品，只能进行一（1）次退货或换货，如没有库存进行更换，只能申请退货服务

4. 以下情况不在退换货服务内：

– 超过了规定退换货时效

– 非产品质量问题的人为损坏

– 非怒喵官方或授权平台产生的交易，比如二手平台的转单

– 产品内部异色、划痕、色差为正常现象，以及产品外观的细微痕迹（直径小于 0.3mm 的杂点或异色），气纹，色差等不影响使用的情况，均不在售后范围内

5. 因个人原因申请退货退款，运费将不予退还，且用户需承担产品退回的运费

国内售后条款

关于保修

当您购买的以下产品出现非人为损坏故障时，我们提供相应维修服务，请您提供相应购买凭证并在保修期限内联系我们！保修期限自快递签收之日起开始计算，对应产品保修期限如下：

客制化键盘属于高度自定义产品，我们提供 1 年保修服务，如涉及更换配件或耗材需要付费

以下情况不在保修范围内：

1. 无法提供相应的购买凭证
2. 已经超出保修期限
3. 意外因素或人为原因导致产品损坏，包括自行换 / 装轴导致轴变形、按键板脱焊等
4. 未经怒喵官方授权许可的自行改装、拆卸、维修等
5. 退换货、送修途中由于运输、装卸导致的产品损坏，包括产品遗失
6. 因不可抗因素（如雷电、地震、火灾等）造成的产品损坏

国内售后条款

售后服务指引

退换货或送修前，请核对以下内容是否准备齐全：

	主机、配件齐全	包装完整	发票（若有）	赠品（若有）
退货	√	√	√	√
换货	√	√		
维修	√			

1. 在免费保修期间的产品，在三包有效期内，消费者依照本规定享受修理、更换、退货的权利。如申请维修，更换下来的坏件归怒喵所有；对于检测无故障产品，将原样退回

2. 因产品不符合保修条件需收取费用的，将向消费者收取维修费，并提供维修报告

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PRODUCT ● OVERVIEW

01

Product Overview

Product Name	Black Diamond 75
Model Name	DR001
Weight	Carbon 2.8kg (±0.1), Mithril 3.0kg (±0.1)
Typing Angle	7°
Mounting Method	Leaf spring mount
Drivers	No additional drivers required, supports N-key rollover
Layout/Lighting Configuration	Configurable on Windows/macOS via AM Master
Switch Mounting Style	Hot-swappable
Connectivity	Wired, Bluetooth 5.1, wireless 2.4G
Indicators	Power indicator, connection status indicator and Caps Lock indicator are located on the mainboard
USB Port	USB 2.0, Type-C, supports USB-C to USB-C
Battery	Lithium polymer 5000mAh
Qi Wireless Charging	Wireless charging 5W, starts charging automatically when battery power drops below 85% and stops at 100%
Maximum Power Consumption	Advance 3W, Standard 2.5W

Product Overview

Bundle
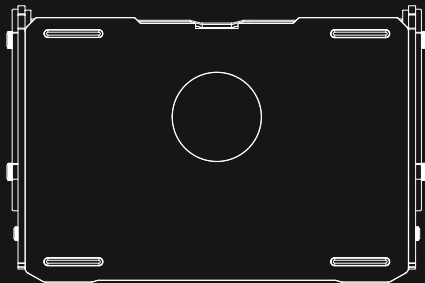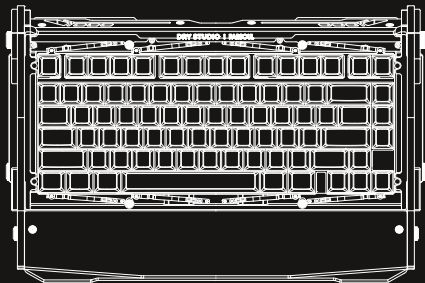
QUICK START
GUIDE ●

02

Quick Start Guide

1. Remove Black Diamond 75 from the packaging.

2. Upon first use, plug in the USB cable to activate the keyboard.

3. Long press Fn+Esc to turn on/off the keyboard.

4. When not plugged in, long press Fn+1 for 3s, until the 1 key continuously lights up (other in–switch LEDs are disabled), to enter Bluetooth pairing mode and connect to device.

5. When not plugged in, press Fn+4 to enter 2.4G pairing mode, the 4 key and front lighting (Advance only) light up green for 3s when successfully connected.

6. After successfully pairing with your target device, the keyboard is ready to use.

SHORTCUT KEYS

03

Shortcut Keys

1. Turn device on/off
Long press Fn + Esc for 3s

2. Factory reset
Long press Fn + R for 5s

3. Media combos
Fn + F1 Mute

Fn + F2 Volume down

Fn + F3 Volume up

Fn + F4 Previous track

Fn + F5 Next track

Fn + F6 Play/pause

4. LED/PCB control combos
Fn + [Enable/disable front lighting (Advance only)

Fn +] Enable/disable in–switch LEDs

Fn + F11 Switch between in–switch lighting effects

Fn + –/+ Decrease/increase in–switch LED brightness

Fn + F12 Switch between front lighting effects (Advance only)

Fn + ↑ Increase front lighting brightness (Advance only)

Fn + ↓ Decrease front lighting brightness (Advance only)

Fn + ← Increase front lighting effect speed (Advance only)

Fn + → Decrease front lighting effect speed (Advance only)

Shortcut Keys

5. Wireless connection

Fn + 1: To connect to Bluetooth device 1, long press for 3s until number 1 and the front lighting* indicate white. The corresponding indicators will quickly flash blue for 3s to indicate successful pairing. Red lighting indicates connection failed.

Fn + 2: To connect to Bluetooth device 2, long press for 3s until number 2 and the front lighting* indicate white. The corresponding indicators will quickly flash blue for 3s to indicate successful pairing. Red lighting indicates connection failed.

Fn + 3: To connect to Bluetooth device 3, long press for 3s until number 3 and the front lighting* indicate white. The corresponding indicators will quickly flash blue for 3s to indicate successful pairing. Red lighting indicates connection failed.

Fn + 4: After inserting the 2.4G receiver into the computer, press Fn + 4. Number 4 and the front lighting* indicate green for 3s to indicate successful pairing. Red lighting indicates connection failed.

*Front lighting is only available with Advance

6. Switching devices

Fn + 1/2/3/4 can be used to switch devices. While switching, the corresponding number (1/2/3/4) and front lighting* continously indicate white. After succesfully switching to Bluetooth device 1/2/3, the corresponding number (1/2/3) and front lighting light up blue for 3s. When switching to 2.4G mode, the 4 key and front lighting light up green for 3s after switching. If switching was unsuccessful, the corresponding indicators light up red for 5s and then return to their original lighting effect.

*Front lighting is only available with Advance

Shortcut Keys

7. Battery level indicator

Fn+P:

Battery 100%: the numbers 1–0 light up green for 3s
Battery 90%: the numbers 1–9 light up green for 3s
Battery 80%: the numbers 1–8 light up green for 3s
Battery 70%: the numbers 1–7 light up yellow–green for 3s
Battery 60%: the numbers 1–6 light up yellow–green for 3s
Battery 50%: the numbers 1–5 light up yellow–green for 3s
Battery 40%: the numbers 1–4 light up orange for 3s
Battery 30%: the numbers 1–3 light up orange for 3s
Battery 20%: the numbers 1–2 flash red for 3s
Battery 10%: number 1 quickly flashes red for 3s
Battery below 10%: the numbers 1–0 quickly flash red for 3s
Battery below 5%: the numbers 1–0 slowly flash red for 5s, repeated every 5 minutes

Charging indicator

The numbers 1–0 and front lighting flash green for 5s, other in–switch LEDs are disabled

LAYERS & LAYOUTS ●

04

Layers and Layouts

LAYOUT ●
& DIY RGB

05

Layout & DIY RGB

1. Download AM Master from angrymiao.com/am-master and keep the keyboard connected to the computer via USB.

2. Enter diy.angrymiao.com and select the corresponding keyboard model in the top bar to edit function keys and lighting effects (navigate to the "In-Switch LED configuration" page through the link on the right bottom of the DIY page).

3. After finishing editing, generate the JSON config file and download it.

4. Open AM Master, select your JSON config file and import it (you can directly use config files shared by others).

5. Wait until it's successfully configured.

Layers: by default, you can switch to layer 2 by holding down the Fn key. You can also switch directly to corresponding layers by short pressing manually assigned layer keys. You can create a maximum of 7 layers.

BLUETOOTH & 2.4G
CONNECTIONS

06

Bluetooth & 2.4G Connections

Tri-Mode (BLE 5.1, 2.4G, wired), BLE 5.1, USB wired with automatic switching.

2.4G mode in combination with DR Rapid Ice switches can achieve a wireless latency of 2ms.

PACKAGING ●
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Packaging Contents

1. Keyboard body *1
2. Switches *81
3. Stabilizers *4 (2U*3, 6.25U*1)
4. Keycap set *1
5. 2.4G receiver *1
6. USB cable (Type-A to Type-C) *1
7. USB adapter（Type-C to Type-C）*1

FCC Compliance Statement

This device complies with Part 15 of the FCC rules. Operation is subjected 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 your authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

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:

• 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.

Warning

– Disassembling, hitting, squeezing and throwing into fire is prohibited.

– Stop using if severe swelling occurs.

– Do not place in high temperature environments.

– Do not use the battery after immersion in water.

– If the battery is replaced incorrectly, there is a risk of explosion. Repairs should only be performed by qualified service personnel. This is to ensure that product safety is maintained.

ANTI–COUNTERFEITING
NOTICE

08

Anti-Counterfeiting Information

Anti-Counterfeiting Statement

In order to protect your rights and shopping experience, please verify the SN code as soon as the product arrives. Each SN code is unique and can only verify its corresponding item. If you cannot find the SN code, please carefully check the product.

Angry Miao is committed to providing users with high-quality products, which are equipped with anti-counterfeiting services. All products purchased from official channels can be checked for authenticity. To check product authenticity, follow these steps:

1. Log in to verify.angrymiao.com

2. Enter the product's serial number

3. Click on the enquire button
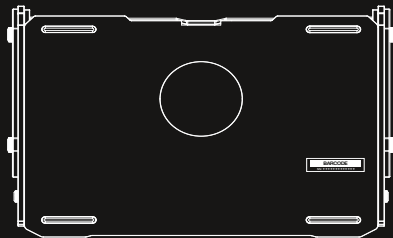
09

AFTERSALES
SERVICE ●

Aftersales Service

Return & refund policy

The following terms apply to regions outside of mainland of China.

Our policy lasts 72 hours for general items. If the time is due, unfortunately we can't offer you a refund or exchange.

There are certain situations where we can't offer you a refund or exchange:

– 72 hours have gone by since you received the item.

– Any item not in its original condition, is damaged or missing parts for reasons not due to our error.

– Dislike due to personal preferences.

1. If you need to refund or exchange, please click Contact Us on the bottom of our website and leave your message. We will contact you within 3 working days.

2. To be eligible for a return, your item must be unused and in the same condition that you received it. It must also be in the original packaging. Any missing parts will delay the refund or cause partial refunds.

3. You will be refunded after we receive the returned product and check it. Once your return is received and inspected, we will send you an email to notify you that we have received your returned item. Then your refund will be processed, and a credit will automatically be applied to your credit card or original method of payment, within 7 business days.

4. If there is insufficient stock of exchanging products, we will inform you about the specific treatment.

5. Please contact us first if you want a refund or exchange. We will not accept returns or exchanges if you haven't contacted us in advance.

6. After–sales service: support@angrymiao.com

Aftersales Service

DRY STUDIO