

DRY STUDIO

ATM 98 USER MANUAL

● 用户使用手册



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PRODUCT ●
OVERVIEW

产品说明

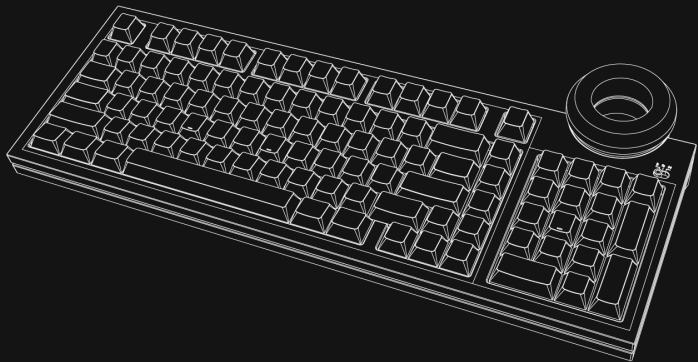
01

产品说明

产品名称	ATM 98
重量	雪谧、墨影套装 2.6 (± 0.1) kg; 岩韵套装 2.8 (± 0.1) kg
人机角度	8°
LED数量	98颗轴底灯
结构	GASKET
驱动	网页驱动, 全键无冲
键位/灯效自定义	Windows / Mac OS 可自定义
轴固定方式	热插拔
连接方式	蓝牙 (Win 系统需 Windows 8.0 以上)、有线 (USB 有线连接自动切换)、2.4g
Caps Lock提示灯	星环反打灯
USB 接口	USB 2.0, TypeC, 支持 C to C
电池	锂聚合物 3000mAh *2, 共 6000mAh (典型值)
整机最大功耗	5W

产品说明

成品套装



PACKAGING ●
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02

包装清单

包装清单

1. 键帽 98 颗
2. 轴 98 颗
3. USB A to C 数据线一根
4. 2.4g 接收器。

QUICK START
GUIDE ●

快速入门向导

03

快速入门向导

1. 将 ATM 98 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. 开/关机：长按 Fn + Esc
4. 蓝牙配对：（非插线状态）拨动开关切换到蓝牙模式后，长按【Fn+1/2/3（字母区）】开始对码
短按切换到对应设备。对码期间【1/2/3（字母区）】分别和星环灯快闪蓝色
5. 电量显示：无线模式下摁 Fn+Backspace，显示键盘电池电量；有线模式下，显示充电状态

SHORTCUT KEYS



快捷键示意

04

快捷键

1. 开关机

拨杆 (左蓝牙、中有线、右2.4G)

3. 星环组合键

Fn + 0 开启/关闭 星环灯效

Fn + 小键盘 开启/关闭 星环旋转灯效

Fn + -/+ 切换上/下一种星环灯效 (切到尾不循环)

4. 轴底灯灯效

Fn + | 开启/关闭轴底灯

Fn + PgUp/PgDn 切换上/下一种背光灯效

Fn + Enter 切换背光颜色

Fn + ↑/↓ 提高/降低轴底灯亮度

Fn + ←/→ 降低/提升轴底灯效速度

6. 电量显示

通过星环下的 LED 反打灯来显示。

2. 恢复出厂设置

Fn + ESC 长按 5 秒

Fn + 小键盘* 切换星环颜色

Fn + 小键盘8 星环亮度提高

Fn + 小键盘2 星环亮度降低

Fn + F1 切换星环功能 1

Fn + F2 切换星环功能 2

Fn + F3 切换星环功能 3

Fn + F4 切换星环功能 4

5. 无线连接

Fn + 1: 拨动开关切换到蓝牙模式后, 长按【Fn+1/2/3 (字母区)】开始对码, 短按切换到对应设备。对码期间【1/2/3 (字母区)】分别和星环灯快闪蓝色

设备切换: 按 Fn+1/2/3 可在不同设备间切换

Fn + 4: 拨动开关切换到2.4G模式后, 长按【Fn+4 (字母区)】开始对码。对码期间轴底灯4 (字母区) 和星环灯快闪紫色

BUILD GUIDE ●

拆装说明

05

拆装说明

热插拔 PCB 换轴提示：

请按拆装说明谨慎断开排线，取出内胆，以温和力度安装轴体

安装时，请确保轴脚为正常垂直状态，并无弯曲。如遇到无法插入的情况，请调整轴体角度、观察轴脚并无异常情况。

切忌用力过度，可能会导致轴座甚至 PCB 主板损坏

SAFETY ●
INFORMATION

安全须知

06

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	○	○	○	○	○
金属零件	X	○	○	○	○	○
塑胶零件	○	○	○	○	○	○
电池	X	○	○	○	○	○

本表格依据 SJ/T11364 的规定编制。

○: 表示该有害物质在该部件所有均质材料中的含量均在 GB/T26572 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/T26572 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, 本产品及其某些内部或外部组件上可能带有环保使用期限标识。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。

ANTI-COUNTERFEITING
NOTICE ●

07

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。

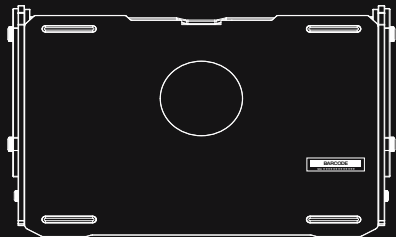
Angry Miao 致力于为用户提供高质量的产品，我们将为产品提供注册防伪服务，凡是从官方渠道购买的产品，均可进行防伪查询。

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 ●

08

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

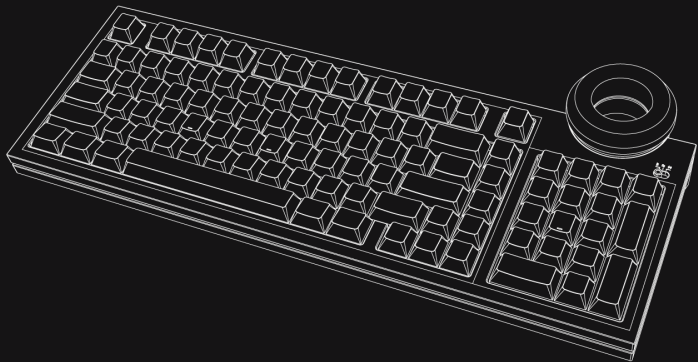
01

产品说明

Product Name	ATM 98
Weight	Frost Whisper / Night Ink 2.6 (± 0.1) kg; Misty Dusk 2.88 (± 0.1) kg (including switches and keycaps)
Typing Angle	8°
LEDs	98 in-switch LEDs
Mount	Gasket
Drivers	Web-based driver, supports N-key rollover
Layout/Lighting Configuration	Configurable on Windows/macOS
Switch Mounting Style	Hot-swappable
Connectivity	Bluetooth (Windows 8.0 or higher required), wired (switches automatically upon USB connection), 2.4G
Caps Lock Indicator	Star ring indicator
USB Port	USB 2.0, Type-C, supports C to C
Battery	Lithium polymer 3000mAh *2, 6000mAh total (typical value)
Maximum Power	5W

Product Overview

Bundle



PACKAGING
CONTENTS



02

Packaging Contents

Bundle includes:

1. Keycaps *98
2. Switches *98
3. USB A to C cable
4. 2.4G receiver

QUICK START
GUIDE ●

03

Quick Start Guide

1. Remove ATM 98 from the packaging.
2. Upon first use, plug in the USB cable to activate the keyboard.
3. Power on/off: long press Fn + Esc.
4. Bluetooth pairing (when not connected through USB): place the switch in Bluetooth mode and long press Fn + 1/2/3 (alphanumeric keys) to start pairing.
Short press to switch devices. While pairing, key 1/2/3 of the alphanumeric keys and the star ring flash blue respectively.
5. Battery status: under wireless mode, press Fn + Backspace to display the battery level. Under wired mode, the keyboard indicates charging.

SHORTCUT KEYS



04

Shortcut Keys

1. Power on/off

Use the switch (left for Bluetooth, middle for wired, right for 2.4G)

3. Star ring combos

Fn + 0 Turn on/off star ring lighting effects

Fn + numpad . Turn on/off star ring rotating lighting effect

Fn + -/+ Switch between star ring lighting effects (no looping)

Fn + numpad * Switch star ring lighting color

Fn + numpad 8 Increase star ring lighting brightness

4. In-switch lighting

Fn + | Turn on/off in-switch lighting

Fn + PgUp/PgDn Switch between in-switch lighting effects

Fn + Enter Switch backlight color

Fn + ↑ / ↓ Increase/decrease in-switch lighting brightness levels

Fn + ← / → Decrease/increase in-switch lighting effect speed

6. Battery status

Displayed through LED lighting under the star ring.

2. Factory reset

Long press **Fn + Esc** for 5s

Fn + numpad 2 Decrease star ring lighting brightness

Fn + F1 Switch to star ring function 1

Fn + F2 Switch to star ring function 2

Fn + F3 Switch to star ring function 3

Fn + F4 Switch to star ring function 4

5. Wireless connection

Fn + 1: After putting the switch in Bluetooth mode, long press **Fn + 1/2/3** (alphanumeric keys) to start pairing, or short press to switch devices. While pairing, key 1/2/3 of the alphanumeric keys and the star ring flash blue respectively.

Device switching: press **Fn + 1/2/3** to switch between devices.

Fn + 4: After putting the switch in 2.4G mode, long press **Fn + 4** (alphanumeric keys) to start pairing. While pairing, key 4 of the alphanumeric keys and the star ring flash purple respectively.

BUILD GUIDE ●

05

Build Guide

Caution: installing switches on the hot-swap PCB

Please remove PCB cable carefully according to the build guide. Take out the plate and install the switches without using excessive force.

During installation, ensure that the pins are not bent. If you're unable to insert your switch into the PCB, adjust the angle of the switch and ensure there's no defect in the pins. Do not use excessive force, as to avoid damaging the hot-swap sockets and PCB.

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.

ANTI-COUNTERFEITING
NOTICE



06

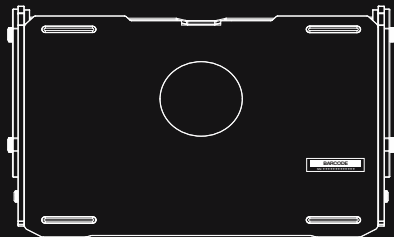
Anti-Counterfeiting Information

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



AFTERSALES
SERVICE ●

07

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

Disclaimer

1. For related products purchased through non-official channels, we do not provide corresponding after-sales service and do not bear the transaction risk arising therefrom.
2. All rights reserved by Angry Miao.



DRY STUDIO