Dierya M1

Dierya x TMKB M1 Wireless Gaming Mouse User Manual

Model: M1

1. INTRODUCTION

Thank you for choosing the Dierya x TMKB M1 Wireless Gaming Mouse. This manual provides detailed instructions on how to set up, operate, and maintain your new gaming mouse. The M1 mouse offers versatile connectivity, high-precision tracking, and customizable features to enhance your gaming and productivity experience.

2. PRODUCT OVERVIEW

2.1 Components and Controls

Familiarize yourself with the various buttons and features of your Dierya M1 mouse:

Buttons Function

① Left Button	② Right Button	③ Mouse Wheel (Middle Button)	④ DPI Adjustment Button (6 Adjustable DPI Levels)
⑤ Forward Button	⑥ Back Button	⑦ Type -C Interface	⑧ Mode Switch
⑨ Power & Light Switch	⑩ 2.4G Receiver Storage Compartment		

This diagram illustrates the various components of the Dierya M1 wireless gaming mouse. It highlights the **Left Button (1)**, **Right Button (2)**, **Mouse Wheel (Middle Button) (3)**, **DPI Adjustment Button (4)** with 6 adjustable DPI levels, **Forward Button (5)**, **Back Button (6)**, **Type-C Interface (7)** for charging and wired connection, **Mode Switch (8)** for selecting connection type, **Power & Light Switch (9)**, and the **2.4G Receiver Storage Compartment (10)** located on the underside.

2.2 Key Features

- **24,000 DPI Optical Sensor:** Adjustable DPI range from 200 to 24,000, with 6 preset levels (400-6400 DPI).

- **Tri-Mode Connectivity:** Supports ultra-fast 2.4GHz wireless, energy-efficient Bluetooth 5.2, and stable USB-C wired connections.

- **Long Battery Life:** 1000mAh battery provides up to 180 hours in ECO mode or 48 hours with RGB lighting, with 1-hour fast charging.

- **Lightweight & Ergonomic Design:** Weighs only 90g with a honeycomb shell for breathability and a symmetrical design (125x63x41 mm).

- **Programmable Buttons:** 6 customizable buttons via the M1 Driver software (Windows only).

- **Dynamic RGB Lighting:** 13 integrated RGB lighting effects with 16.8 million customizable colors.

- **High Performance:** 125-1000 Hz polling rate, 300 IPS tracking speed, and 35G acceleration.

- **Durable Switches:** Equipped with Huano switches rated for 20 million clicks and 100% PTFE feet for smooth gliding.

3. SETUP

3.1 Charging the Mouse

Before first use, it is recommended to fully charge the mouse. Connect the provided USB-C cable to the Type-C Interface (7) on the mouse and the other end to a USB power source (e.g., computer USB port, USB wall adapter).

- The mouse charges in approximately 1 hour.
- The scroll wheel LED will indicate charging status (e.g., red for charging, green for fully charged).

The Dierya M1 mouse features a 1000mAh battery, providing up to 180 hours of use in ECO mode or 48 hours with RGB lighting enabled. It supports fast charging, reaching full capacity in approximately 1 hour via the included USB-C cable. The mouse also includes a smart sleep mode to conserve power during inactivity.

3.2 Connecting the Mouse

The Dierya M1 mouse offers three connection modes: 2.4GHz Wireless, Bluetooth 5.2, and USB-C Wired.

M1 Tri-Mode Wireless Gaming Mouse
PC/Mac/iPad/Chromebook Compatible

Bluetooth 5.2 (2 Devices)
Polling Rate: 125Hz

2.4GHz Wireless
Polling Rate: 1000Hz
(No Driver)

USB/Type-C
Polling Rate: 1000Hz
(Plug & Play)

The Dierya M1 mouse supports three flexible connection modes: Bluetooth 5.2 for energy-efficient pairing with up to two devices, 2.4GHz Wireless via a USB dongle for ultra-fast response, and a stable USB-C Wired connection for charging and direct use. Each mode offers a different polling rate, with 2.4GHz and wired modes providing 1000Hz, and Bluetooth offering 125Hz.

3.2.1 2.4GHz Wireless Connection

1. Locate the 2.4G receiver in the storage compartment (10) on the underside of the mouse.
2. Plug the 2.4G receiver into an available USB port on your computer.
3. Set the Mode Switch (8) on the underside of the mouse to the '2.4G' position.
4. The mouse should connect automatically. The polling rate for this mode is 1000 Hz.

3.2.2 Bluetooth 5.2 Connection

1. Set the Mode Switch (8) on the underside of the mouse to the 'BT' position.
2. On your computer or device, open Bluetooth settings and search for new devices.
3. Select 'Dierya M1' from the list of available devices to pair.
4. The mouse supports Bluetooth 5.2 and has a polling rate of 125 Hz in this mode.

3.2.3 USB-C Wired Connection

1. Connect the USB-C cable to the Type-C Interface (7) on the mouse.

2. Connect the other end of the USB-C cable to an available USB port on your computer.

3. The mouse will automatically switch to wired mode and begin charging. The polling rate for this mode is 1000 Hz.

4. OPERATING INSTRUCTIONS

4.1 DPI Adjustment

The Dierya M1 mouse features a dedicated DPI Adjustment Button (4) to cycle through preset DPI levels. The scroll wheel LED color indicates the current DPI setting.

This image details the performance specifications of the Dierya M1 mouse, including a DPI range of 200-24,000, a tracking speed of 300 IPS, a polling rate of 125-1000Hz, and 35G acceleration. It also shows the preset DPI levels (400, 800, 1600, 3200, 4800, 6400) and the color indicators on the scroll wheel for each setting.

- Press the DPI Adjustment Button (4) to cycle through the 6 default DPI settings: 400, 800, 1600, 3200, 4800, and 6400 DPI.

- Each DPI level is indicated by a specific color on the scroll wheel LED.

- For custom DPI settings and a wider range (200-24,000 DPI), use the M1 Driver software.

4.2 RGB Lighting Control

The Dierya M1 mouse features dynamic RGB lighting. You can control the lighting effects and colors using the M1 Driver software.

- The mouse has 13 built-in RGB lighting effects.
- Use the M1 Driver software to customize colors (16.8 million options), brightness, and speed of the lighting effects.
- The Power & Light Switch (9) on the underside can be used to turn the lighting on or off.

4.3 Programmable Buttons and Software

The M1 mouse has 6 programmable buttons that can be customized using the dedicated M1 Driver software.

The Dierya M1 driver software, currently available for Windows, allows users to customize various aspects of the mouse. This includes reassigning the 6 programmable buttons, creating macros, adjusting DPI settings, modifying the polling rate, and personalizing the 13 dynamic RGB lighting effects with 16.8 million colors.

- **Software Compatibility:** The M1 Driver software is currently only available for Windows operating systems.

- **Key Assignment:** Reassign functions to any of the 6 programmable buttons (Left, Right, Middle, DPI, Forward, Back).
- **Macro Creation:** Create and assign complex macros to streamline in-game actions or productivity tasks.
- **DPI & Polling Rate:** Fine-tune DPI settings beyond the presets and adjust the polling rate.
- **RGB Customization:** Personalize lighting effects, colors, and patterns.
- **Profile Management:** Save and load different profiles for various games or applications.

4.4 Power Saving Modes

The M1 mouse is designed with automatic power-saving features to extend battery life:

- The mouse will enter an automatic power-saving mode after 1-5 minutes of inactivity.
- This inactivity time can be adjusted via the M1 Driver software.
- To wake the mouse, simply move it or click any button.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Dierya M1 mouse.

- **Cleaning:** Use a soft, dry cloth to wipe the surface of the mouse. For stubborn dirt, a slightly damp cloth can be used, but ensure no moisture enters the mouse. Avoid harsh chemicals or abrasive cleaners.
- **Sensor Maintenance:** Keep the optical sensor on the underside of the mouse clean and free from dust or debris to ensure accurate tracking.
- **Battery Care:** Avoid fully discharging the battery frequently. For long-term storage, charge the mouse to about 50% and store it in a cool, dry place.
- **Storage:** When not in use, store the mouse in a clean, dry environment away from extreme temperatures.

6. TROUBLESHOOTING

If you encounter issues with your Dierya M1 mouse, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Mouse not responding (2.4GHz)	Low battery, receiver unplugged, incorrect mode, interference.	Charge the mouse. Ensure 2.4G receiver is securely plugged in. Set Mode Switch to '2.4G'. Try a different USB port. Reduce distance to receiver.
Mouse not responding (Bluetooth)	Low battery, incorrect mode, not paired, Bluetooth off on device.	Charge the mouse. Set Mode Switch to 'BT'. Ensure Bluetooth is enabled on your device. Re-pair the mouse in Bluetooth settings.
Mouse not responding (Wired)	Cable not connected, faulty cable/port.	Ensure USB-C cable is securely connected to both mouse and computer. Try a different USB port or cable.
Inaccurate tracking	Dirty sensor, unsuitable surface, incorrect DPI.	Clean the optical sensor. Use a mouse pad or a clean, non-reflective surface. Adjust DPI settings.
RGB lighting not working	Lighting switched off, low battery, software issue.	Check Power & Light Switch (9). Charge the mouse. Check settings in M1 Driver software.

Problem	Possible Cause	Solution
Buttons not programmable	M1 Driver not installed/running, not on Windows.	Ensure M1 Driver software is installed and running (Windows only). Check software settings.

7. SPECIFICATIONS

Model Name	M1
Brand	Dierya
Connectivity Technology	2.4GHz Wireless, Bluetooth 5.2, USB-C Wired
Movement Detection Technology	Optical
DPI Range	200 - 24,000 DPI (6 preset levels: 400, 800, 1600, 3200, 4800, 6400)
Polling Rate	125-1000 Hz
Tracking Speed	300 IPS
Acceleration	35G
Number of Buttons	6 (Programmable)
Battery Capacity	1000 mAh Lithium-ion
Battery Life	Up to 180 hours (ECO mode), 48 hours (RGB mode)
Charging Time	Approx. 1 hour
Weight	90 Grams
Dimensions	125 x 63 x 41 mm
Switch Type	Huano (20 million clicks)
Feet Material	100% PTFE
Operating System Compatibility	Windows, macOS, Linux, Chrome OS
Driver Software Compatibility	Windows only

8. WARRANTY AND SUPPORT

8.1 Manufacturer Warranty

The Dierya M1 Wireless Gaming Mouse comes with a **1-year manufacturer warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For further assistance, technical support, or warranty inquiries, please refer to the official Dierya website or contact your retailer. Ensure you have your product model (M1) and proof of purchase ready when seeking support.