



# GLORIOUS GMMK-COMPACT-BRN RGB Modular Mechanical Keyboard User Guide

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# GLORIOUS

**GLORIOUS GMMK-COMPACT-BRN RGB Modular Mechanical Keyboard**



## Mechanical Keyboard with Modular Switches

Trying out different switches, replacing old ones, and matching several types of mechanical keyboard switches used to be difficult and required adequate technical skills in order to be done. The GMMK is the world's first mechanical keyboard featuring hot-swappable switches for Cherry, Gateron, and Kailh branded switches. Ever wonder what Gateron Blue's felt like? Or what is the craze behind the Cherry MX clears? Want to use Gateron Reds for your WASD, but Gateron Blacks for all your other keys? With the GMMK, you no longer have to purchase an entirely new keyboard, or disassemble and solder your switches – you can simply pop out the switch just like a keycap, and mix/match to test out and use any combination of switches you desire. Armed with a glorious sandblasted aluminum face plate, full NRKO, RGB LED backlighting (several modes), modular switches, double shot injection keycaps, and minimalistic design – The GMMK is revolutionizing the mechanical keyboard market, giving users full control without needing the technical experience required by the gurus.

**THANK YOU FOR PURCHASING THE GMMK MECHANICAL KEYBOARD AND WELCOME TO OUR GLORIOUS LEGION.**

## Product Basics

### PACKAGE CONTENTS

- GMMK keyboard
- Manual/ Quick Start Guide
- Keycap Puller Tool
- Switch Puller Tool
- Glorious PC Gaming Race sticker

### SPECIFICATIONS

- USB 2.0 USB 3.0 USB 1.1 compatibility
- Report rate max is 1 000Hz
- Full keys Anti-ghosting
- System requirement

1. Win2000
2. Win XP

3. Win ME
4. Vista
5. Win7
6. WinB
7. Android
8. Linux
9. Mac

**GMMK software only works with windows**

## Setup & Support

### SETTING UP

**Plug & Play:** Connect the keyboard to an available USB port and the keyboard will automatically install all necessary drivers.

**Using hotkeys:** To utilize the secondary hotkey functions of some keys, hold down the FN key and press the hotkey of your choice.

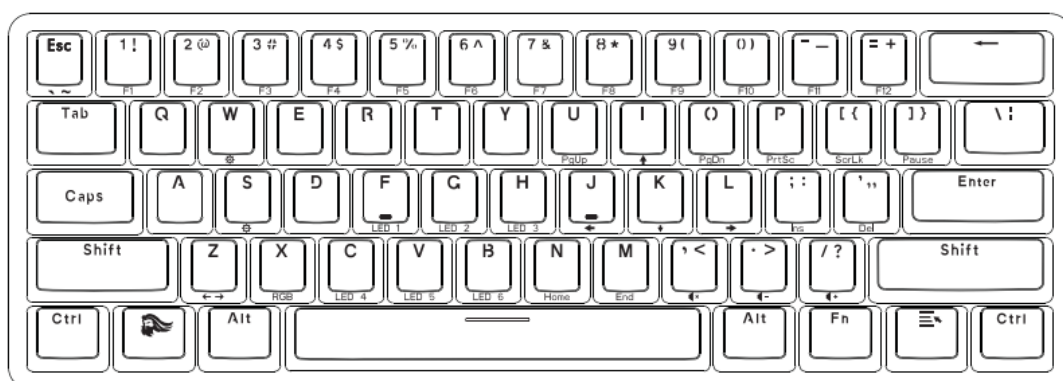
### SUPPORT / SERVICE

We want you to be happy with your new GMMK keyboard. If you have any questions or issues with your keyboard, please do not hesitate to contact us. Alternatively, please visit us at [www.pcgamingrace.com](http://www.pcgamingrace.com) where you can find our frequently asked questions, and troubleshooting tips and look at our other glorious products.

### Here is how to reach us

By email (preferred): [support@pcgamingrace.com](mailto:support@pcgamingrace.com)

## Keyboard Layout



PgDn  
Page down

  
Windows key

  
Brightness increase

  
Volume increase

PrtSc  
Print Screen

Del  
Delete

  
Brightness decrease

  
Volume decrease









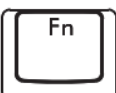

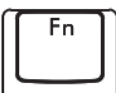






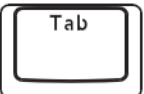


ScrLk  
Scroll Lock

Ins  
Insert

  
LED direction

  
Mute

## Commands/Shortcuts

-  +  or  +  Adjust keyboard's LED backlight brightness
-  +  Adjust LED backlight direction
-  +  Cycle through various RGB colors for keyboard backlight (cycles through 8 colors, more options available via software)
-  +  or  +  Adjust RGB LED light speed during animations
- Press  +  for 10 seconds will reset keyboard to factory default settings
-  +  Will enable and disable Windows Key
-  +  Will turn off all LED lights on keyboard
-  +  Will swap functions of FN and Caps Lock. Press again to revert

## LED indicator (next to Caps Lock Key):



**Red:**  
Caps Lock is on























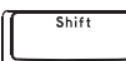







































**Blue:**  
Windows Key is locked



**Green:**  
FN + Caps Lock swapped

## FN Multimedia Function key

		+		<b>F8</b>		+	
<b>F1</b>		+		<b>F9</b>		+	
<b>F2</b>		+		<b>F10</b>		+	
<b>F3</b>		+		<b>F11</b>		+	
<b>F4</b>		+		<b>F12</b>		+	
<b>F5</b>		+		<b>~</b>		+	
<b>F6</b>		+		<b>Page Down</b>		+	
<b>F7</b>		+		<b>Page Up</b>		+	

<b>Print Screen</b>		+		<b>Delete</b>		+	
<b>Scroll Lock</b>		+		<b>Home</b>		+	
<b>Pause</b>		+		<b>End</b>		+	
<b>Left Arrow</b>		+		<b>Mute Volume</b>		+	
<b>Down Arrow</b>		+		<b>Decrease Volume</b>		+	
<b>Right Arrow</b>		+		<b>Increase Volume</b>		+	
<b>Up Arrow</b>		+					
<b>Insert</b>		+					

## LED Light Animations

### BREATH



**Effect 1:** Single LEO color changing effect **Effect 2:** Pulsing/Breathing mode

**Effect 3:** Single LED color (no changing effect)

### TOUCH



**Effect 1:** LED spreads from the point a key was pressed to other keys  
**Effect 2:** Keys light up and fade when they are pressed

**Effect 3:** LED light spreads to the entire row of the key when pressed

### K-EFFECT



**Effect 1:** All random colors on all keys change slowly (fade)

**Effect 2:** All random colors on all keys changing quickly (no fade)

**Effect 3:** Each row has its own color, changing slowly (fade)

### WAVE #1



**Effect 1:** Wave effect (with fade)

**Effect 2:** Wave effect (fess fade)

**Effect 3:** Wave effect in an oval shape

### WAVE #2



**Effect 1:** Diagonal oscillating LEO effect

**Effect 2:** Single color LEO fighting

**Effect 3:** RGB LEO color cycle

### DRAWING



**Effect 1:** Wave-like spreading of LEO fights from center

**Effect 2:** Heart shape pulsing and fading of LEDs

**Effect 3:** Matrix-style LEO effect

## How to change switches and keycaps

### 1. REMOVE KEYCAP

Use the keycap puller tool to clamp on a keycap and pull upwards to detach the keycap with the switch.

Sometimes the switch may come out as well if the keycap is secured tightly on the switch, which is normal. For longer keys such as the space bar, always clamp and remove from the MIDDLE of the keycap.

### 2. REMOVE SWITCH

Use the switch puller to push in the two tabs located on the top and bottom sides of the switch. Once they are pushed in, pull upwards to remove the switch from the keyboard case. Warning: It is very easy to scratch your keyboard case with this tool, so take caution when removing switches!

### 3. READJUST PINS

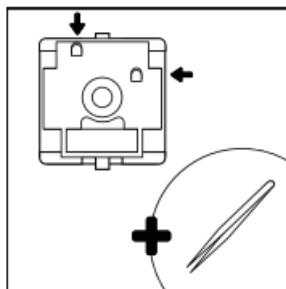
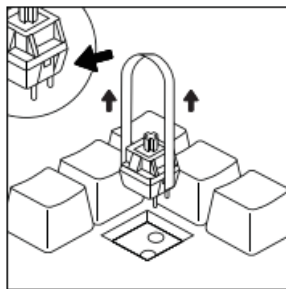
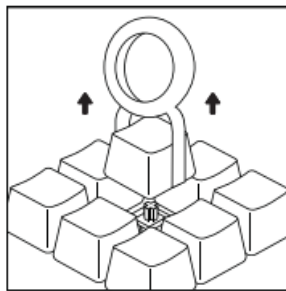
When inserting a new switch, first make sure it is compatible (see switch requirements). Inspect the copper pins on the bottom of the switch so that they are perfectly straight. Sometimes due to shipping or improper insertion, the pins can be easily bent. The pins can be easily straightened back out with tweezers/ pliers (available via all our switch boxes.)

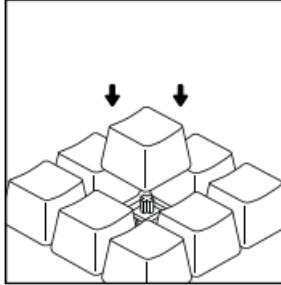
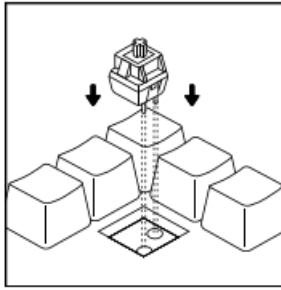
### 4. INSERT SWITCH

Align switch to holes on the keyboard, and insert straight down. There should be minimal resistance and the switch should pop into the frame of the keyboard. It is recommended at this time to have a text editor on your PC open to make sure the switch works when you press it. You could also set the LED mode on the keyboard to REACTIVE MODE (see page 13), and the switch should light up when you press it. **It is safe to swap switches while your keyboard is plugged into your PC.** If the switch does not light up, or register a key on your PC when you press it then the switch was not inserted properly. Remove switch, and make sure pins are straight then insert again.

### 5. INSERT KEYCAP

Once you have confirmed the switch was properly inserted, snap back in the appropriate keycap.





## Mechanical Switch Requirements

The GMMK is designed to work with the following switch brands: Cherry, Gateron, and Kalish. We currently sell Gateron-compatible switches on our website. Although other brands of switches will fit, they may be loose or have a tighter fit than normal. There are several types of Cherry/Gateron/Kalih switches available. These are the specific requirements for the type of switches that are compatible.

## SWITCH REQUIREMENTS

### CHERRY/ GATERON / KALIH BRANDED

Zealio switches also work (plate mounted). Other brands may be compatible but their fit on the keyboard may vary.

### SMD-LED COMPATIBLE SWITCHES

This is optional if you want to have the backlight function, as a non-LED switch would block the light. Non LED switches can be modified by the user to support SMD LEDs. For the best-LED performance, an SMD-LED such as the ones made by Gateron is recommended.

## Keyboard Software

The GMMK keyboard is also compatible with our software to tweak your keyboard to your needs. In order to unlock the 16.8 million color palette your keyboard can display, you must configure it via software. Profiles and custom macros are also now available via GMMK software. To download the latest GMMK software go to: <https://www.pcgamingrace.com/pages/gmmk-software-download> (compatible on Windows only). Instructions on how to use the software are included at the download link above. You do not need the software to use the GMMK keyboard, or to do basic customizability.

## Warranty

### IMPORTANT NOTICES

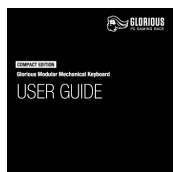
- 1-year limited Manufacturer Warranty
- The warranty does not cover damages as a result of changing the keycaps or switches Keep out of reach of children below the Age of 10



- Keycaps and other small objects could be swallowed

Glorious PC Gaming Race LLC warrants only to the original purchaser of this product when purchased from a Glorious PC Gaming Race LLC authorized reseller or distributor, that this product will be free from defects in material and workmanship under normal use and service for the length of the warranty period after purchase. Glorious PC Gaming Race LLC reserves the right, before having any obligation under this warranty, to inspect the damaged Glorious PC Gaming Race product. Initial shipping costs of sending the Glorious PC Gaming Race product to the Glorious PC Gaming Race LLC service center in Salt Lake City, Utah, for inspection shall be borne solely by the purchaser. In order to keep this warranty in effect, the product must not have been mishandled or misused in any way. This warranty does not cover any damage due to accidents, misuse, abuse, or negligence. Please retain the dated sales receipt as evidence of the original purchaser & date of purchase. You will need it for any warranty services. In order to claim under this warranty, the purchaser must contact Glorious PC Gaming Race LLC and obtain an RMA # which is to be used within 15 days of issuance and must present acceptable proof of original ownership (such as an original receipt) for the product. Glorious PC Gaming Race LLC, at its option, shall repair or replace the defective unit covered by this warranty. This warranty is non-transferable and does not apply to any purchaser who bought the product from a reseller or distributor not authorized by Glorious PC Gaming Race LLC, including but not limited to purchases from internet auction sites. This warranty does not affect any other legal rights you may have by operation of the law. Contact Glorious PC Gaming Race LLC through email, or through one of the technical support numbers listed for warranty service procedures. ©2017 B Glorious PC Gaming Race LLC. All Rights Reserved. All product names, logos, and brands are the property of their respective owners. All company, product and service names used on this packaging/manual are for identification purposes only. Use of these names, logos, and brands does not imply endorsement.

## Documents / Resources



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GMMK-COMPACT-BRN, RGB Modular Mechanical Keyboard, GMMK-COMPACT-BRN RGB Modular Mechanical Keyboard