# Slice75 HE Keyboard User Manual

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## 1. Product Overview

### 1.1 Connection Method

* **Connection Type:** USB (High-speed USB 2.0, 480MHz)
* **Interface Type**: USB-C (supports reversible plug insertion)
* **Default PID/VID**: 0x0701/0x1CA3
* **Device Name**: Slice75

### 1.2 Layout

* **Main Key Area:** 80 keys (US layout, single-row Enter)

### 1.3 Key Rollover

### Supports both 6-key rollover and full N-key rollover.

### 1.4 General Parameters

| Parameter | Value | Description |
| --- | --- | --- |
| Key Actuation Travel | 0.005~3.3mm | Adjustable for all keys |
| Key Sensitivity | 0.005mm |  |
| Full-Key Scanning | 32000Hz |  |
| USB Polling Rate | 8000Hz |  |
| Response Time | 0.1ms |  |
| Latency | ~0.1ms | From key press to computer signal processing |

### 1.5 System Compatibility

* **Supported Systems**: Windows XP/7/8/8.1/10/11 (32-bit/64-bit), Mac, Linux

### 1.6 Switches

* **Switch Model:** Gateron Magnetic Jade Pro

## 2. Basic Functions

### 2.1 Indicator Light Function

* **Indicator Type**: Independent LED indicator lights
* **Indicator Options**: Caps Lock、Num Lock、Scroll Lock、Win Lock(default is off)

### 2.2 Combination Key (Hotkey) Functions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| | **Function** | | --- | | **Key Combo** | **Operation** | **Description** |
| **Lighting Effects** | FN+PgUp | Short press | Cycle through 20 lighting effects |
| FN+PgDn | Short press | Cycle colors: Red, Yellow, Green, Cyan, Blue, Purple, White |
| FN+X | Short press | Turn the lighting off/on |
| FN+\| | Short press | Enter backlight test mode |
| FN+↑ | Short press | Increase brightness |
| FN+↓ | Short press | Decrease brightness (minimum turns off backlight) |
| FN+← | Short press | Decrease lighting speed |
| FN+→ | Short press | Increase lighting speed |
| **Factory Reset** | FN+ESC | Hold 3s | The keyboard backlight turns off, and the keyboard resets to factory settings |
|  | | | |
| System Layout | **Key Combo** | **Operation** | **Description** |
| Windows | FN+F1 | Short press | Open media player |
| FN+F2 | Short press | Open calculator |
| FN+F3 | Short press | Trigger Win+TAB |
| FN+F4 | Short press | Trigger Win+E |
| FN+F5 | Short press | Decrease backlight brightness |
| FN+F6 | Short press | Increase backlight brightness |
| FN+F7 | Short press | Previous track |
| FN+F8 | Short press | Play/Pause |
| FN+F9 | Short press | Next track |
| FN+F10 | Short press | Mute |
| FN+F11 | Short press | Volume – |
| FN+F12 | Short press | Volume + |
| FN+Win | Short press | Lock Win key (press again to unlock) |
| Mac | FN+F1 | Short press | Decrease brightness |
| FN+F2 | Short press | Increase brightness |
| FN+F3 | Short press | Split screen |
| FN+F4 | Short press | Activate Siri |
| FN+F5 | Short press | Decrease keyboard backlight brightness |
| FN+F6 | Short press | Increase keyboard backlight brightness |
| FN+F7 | Short press | Previous track |
| FN+F8 | Short press | Play/Pause |
| FN+F9 | Short press | Next track |
| FN+F10 | Short press | Mute |
| FN+F11 | Short press | Volume – |
| FN+F12 | Short press | Volume + |
| Windows | FN+ \_- | Hold 3s | · The backlight flashes white once, indicating a switch to the Windows system (factory default).  · Note: This setting is retained after power loss. |
| Mac | FN+ =+ | Hold 3s | · The backlight flashes white once, indicating a switch to the Mac system.  · Note: This setting is retained after power loss. |
| **Physical Toggle** | | A toggle switch **located under the Right Shift** key can also be used:  Switch upward for Windows system,  Switch downward for Mac system. | |

### 2.3 RT Function

* **Trigger Travel**：0.005mm ~ 3.3mm
* **Release Travel**：0.005mm ~ 3.3mm
* **Function Description**：Allows adjusting actuation and reset points mid-stroke for faster response.

### 2.4 Key Dead Zone Adjustment

* **Dead Zone Range**：0~1.0mm
* **Optimization**：The trigger dead zone and the bottom dead zone can be optimized separately to avoid false triggering and contact loss.

### 2.5 Advanced Key Functions

| No. | Advanced Key | Description |
| --- | --- | --- |
| 1 | DKS | Dynamic Key Stroke: Bind 1–4 functions per key |
| 2 | MT | Differentiate between hold and click to bind separate functions |
| 3 | TGL | Toggle: Switch between preset values |
| 4 | MPT | Multi-Point Trigger: Send multiple outputs |
| 5 | END | Release trigger; sends a preset value |
| 6 | SOCD | Only one key is triggered at a time; subsequent triggers take effect |
| 7 | MACRO | Macro instruction; execute preset commands |

### 2.6 RGB Lighting Effects

* **Supported Effects**：20 dynamic LED lighting modes.
* **Adjustment：Brightness**, speed, direction, and sleep time (adjustable via the driver).

### 2.7 Default Function Settings and Memory

| Function | Memory | Default State |
| --- | --- | --- |
| Lighting Mode | Memory | “Flowing” (dynamic effect) |
| Lighting Color | Memory | RGB mixed color |
| Lighting Speed | Memory | Medium setting |
| Lighting Brightness | Memory | Maximum level |
| Lighting Direction | Memory | Left to right |
| Win Lock | No Memory | Unlocked |
| Custom Keys | Memory |  |
| RT Function | Memory |  |
| Super Response Mode | Memory |  |
| Advanced Keys | Memory |  |

### 2.8 Sleep and Wake-up

* **Sleep Mode**：Active sleep (default 60 seconds) and passive sleep (following the system).
* **Wake-up Mode**：Active wake-up (via key press) and passive wake-up (via signals from other devices).

### 2.9 Power-on State

* **Memory Function**：All settings are retained after power-off and restored on startup.

## 3. Driver Features

* **Web Driver**：<https://slice75.netlify.app/>
* **Function Description**：
  + Automatically identifies keyboard information and adapts to various keyboard layouts.
  + Adjust RGB brightness, speed, direction, and sleep time.
  + Supports trigger travel settings, rapid trigger (RT), super response mode, and key dead zone adjustments.
  + Supports four layers of custom keys and advanced key settings (DKS, MT, TGL, MPT, END, SOCD, MACRO).
  + Supports configuration import/export, language switching, factory reset, and firmware upgrades.

Notes：

* Do not use the keyboard in high-temperature, humid, or dusty environments.
* Regularly clean the keyboard to prevent dust and dirt from affecting performance.
* For further technical support, please visit the official website or contact customer service.