



Manuals.plus /

› NLOFIN /

› NLOFIN 19-Key Programmable Mechanical Keypad with RGB Backlight and Screen User Manual

NLOFIN 19-Key Programmable Keypad

NLOFIN 19-Key Programmable Mechanical Keypad User Manual

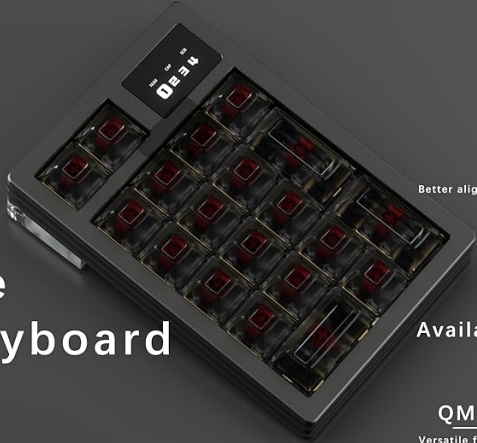
Model: 92b45343-9d52-4ab5-aa8a-fd1924780d71

1. PRODUCT OVERVIEW

The NLOFIN 19-Key Programmable Mechanical Keypad is a versatile macro pad designed for various applications, from gaming to professional tasks. It features 19 hot-swappable keys, customizable RGB backlighting, an OLED screen, and VIAL key remapping software for personalized configurations. The keypad connects via a detachable USB-C cable and is compatible with both Windows and macOS operating systems.



Image: The NLOFIN 19-Key Programmable Mechanical Keypad in yellow, showcasing its compact design and OLED screen.



19-key programmable mechanical keyboard

NLOFIN





- Ergonomics**
Better alignment with the natural position of the palm 
- Aluminum alloy**
CNC-machined aluminum alloy 
- Available in multiple colors**
Multiple color options available 
- QMK/VIAL key remapping**
Versatile for various scenarios, customizable keyboard 

Image: Overview of the NLOFIN 19-Key Programmable Mechanical Keypad highlighting its ergonomic design, aluminum alloy construction, multiple color options, and QMK/VIAL key remapping compatibility.

2. SETUP GUIDE

2.1 Package Contents

- NLOFIN 19-Key Programmable Mechanical Keypad

- USB-C Cable
- Keycap Puller (if included)
- Switch Puller (if included)

2.2 Connecting the Keypad

1. Connect one end of the provided USB-C cable to the USB-C port on the keypad.
2. Connect the other end of the USB-C cable to an available USB port on your computer.
3. The keypad will be automatically recognized by your operating system (Windows or macOS).



Image: The keypad connected to a computer, illustrating its compatibility with Windows and macOS systems.

2.3 VIAL Software Installation and Setup

The NLOFIN keypad supports VIAL for advanced key remapping and customization. Follow these steps to set up VIAL:

1. Download the VIAL software from the official VIAL website (get.vial.today).
2. Install the VIAL application on your computer.
3. Launch the VIAL application.

4. Click the "Start Vial" button within the application.



Image: Screenshot of the VIAL software interface, showing the "Start Vial" button to initiate device connection.

5. In the device selection window, choose "NLKB19-01" (or similar model identifier) from the list.
6. Click "Connect" to establish a connection between the software and your keypad.



Image: Screenshot of the VIAL software device selection, showing how to select and connect the keypad.

3. OPERATING INSTRUCTIONS

3.1 Key Remapping with VIAL

The VIAL software allows you to customize the function of each key on the keypad across multiple layers.

1. Once connected in VIAL, navigate to the "Keymap" tab.
2. Select the desired layer (Layer 0, 1, 2, or 3) you wish to modify.
3. Click on the key on the virtual keypad layout that you want to remap.
4. In the function setting zone below, select the desired function (e.g., Basic, Quantum, Media, Macro) and then click on the specific key assignment.



Image: The VIAL software interface displaying the keymap layout and options for remapping individual keys.

3.2 Layer Switching

The keypad supports up to 4 layers of custom settings. You can switch between these layers using designated keys. By default, a "TO(X)" button is often preset on each layer to toggle between them. For example, pressing "TO(2)" will switch to Layer 2.



Image: A diagram illustrating the layer switching mechanism within VIAL, showing how "TO(X)" functions toggle between layers.

3.3 RGB Backlight Control

The keypad features customizable RGB backlighting. The lighting adjustment functions are typically assigned to a specific layer (often the fourth layer) or dedicated keys. Refer to the VIAL software for specific key assignments for backlight control.

- **Speed+ / Speed-**: Adjusts the animation speed of lighting effects.
- **Color+ / Color-**: Changes the backlight color.
- **Brightness+ / Brightness-**: Adjusts the backlight intensity.
- **Saturation+ / Saturation-**: Modifies color saturation.
- **Light Switch**: Toggles the backlight on/off.
- **Lighting Mode**: Cycles through different lighting effects.

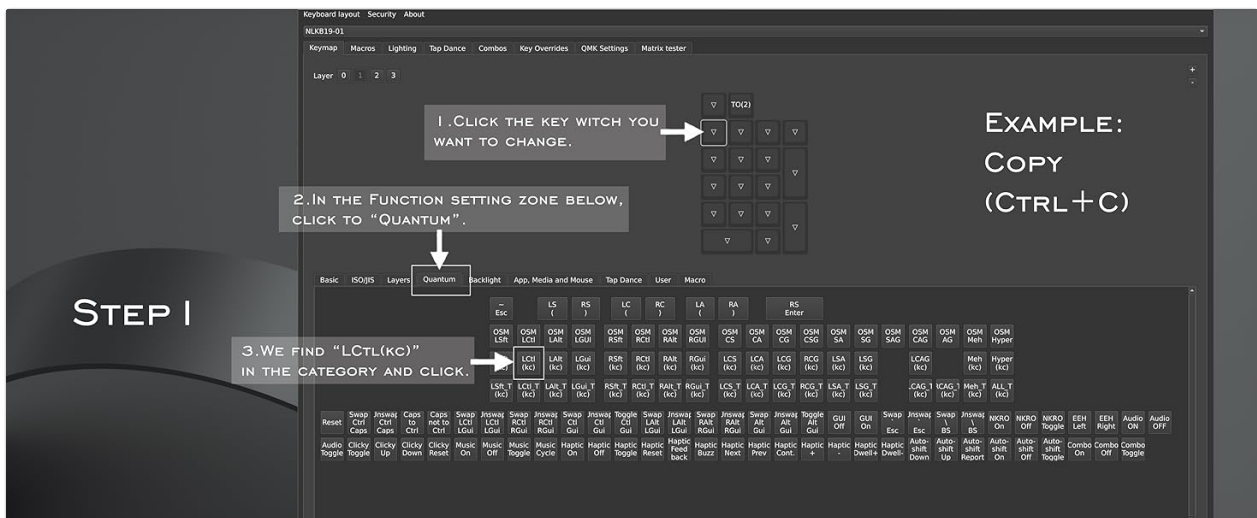


Image: A diagram showing typical key assignments for controlling RGB backlight speed, color, brightness, saturation, and lighting modes.

3.4 OLED Dynamic Screen

The integrated OLED screen displays useful information such as the current layer, Num Lock status, and other indicators. This provides real-time feedback on the keypad's status.

4. MAINTENANCE

4.1 Cleaning the Keypad

- Disconnect the keypad from your computer before cleaning.

- Use a soft, dry cloth to wipe down the surface of the keypad.
- For stubborn dirt, a slightly damp cloth with a mild cleaning solution can be used, ensuring no liquid enters the internal components.
- Use a can of compressed air to remove dust and debris from between the keys.

4.2 Hot-Swappable Switches

The NLOFIN keypad features hot-swappable sockets, allowing you to change mechanical switches without soldering. This model uses **hot-swappable short axis switches**. Ensure any replacement switches are compatible with this specific type.

1. Using a switch puller, carefully grip the switch on its top and bottom sides.
2. Gently pull the switch straight up to remove it from the socket.
3. Align the pins of the new compatible switch with the holes in the PCB socket.
4. Press the new switch firmly into place until it clicks. Ensure it is seated correctly and not bent.

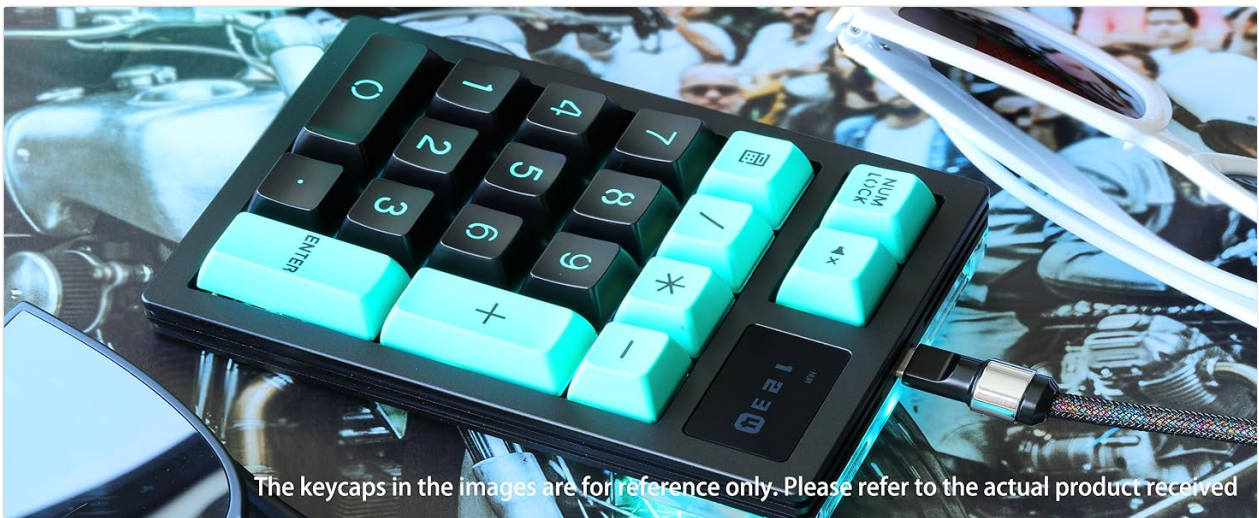


Image: An exploded view showing the internal components of the keypad, including the hot-swappable PCB, which facilitates switch replacement.

5. TROUBLESHOOTING

- **Keypad Not Responding:**
Ensure the USB-C cable is securely connected to both the keypad and your computer. Try a different USB port or cable. Restart your computer.
- **VIAL Software Not Detecting Keypad:**
Verify the keypad is connected. Close and reopen the VIAL software. Ensure you have the latest version of VIAL. Check your computer's device manager to see if the keypad is recognized.
- **Backlight Not Working or Incorrect:**
Check the RGB backlight control settings in VIAL. Ensure the backlight is not turned off or set to minimum brightness.
- **Keys Not Registering or Sticking:**
This keypad uses hot-swappable short axis switches. If a key is not registering or feels sticky, the switch may be faulty or improperly seated. Try removing and re-inserting the switch. If the issue persists, replace the switch with a compatible short axis switch. Note that standard 3-pin or 5-pin mechanical switches are not compatible with this keypad.

6. SPECIFICATIONS

Brand	NLOFIN
Model Number	92b45343-9d52-4ab5-aa8a-fd1924780d71
Keys	19 Programmable Keys
Switch Type	Hot-Swappable Short Axis Mechanical Switches
Connectivity	Wired USB-C
Backlight	RGB
Screen	OLED Dynamic Screen
Compatibility	Windows, macOS
Dimensions	7.87 x 5.71 x 2.95 inches (Package)
Item Weight	15.5 ounces

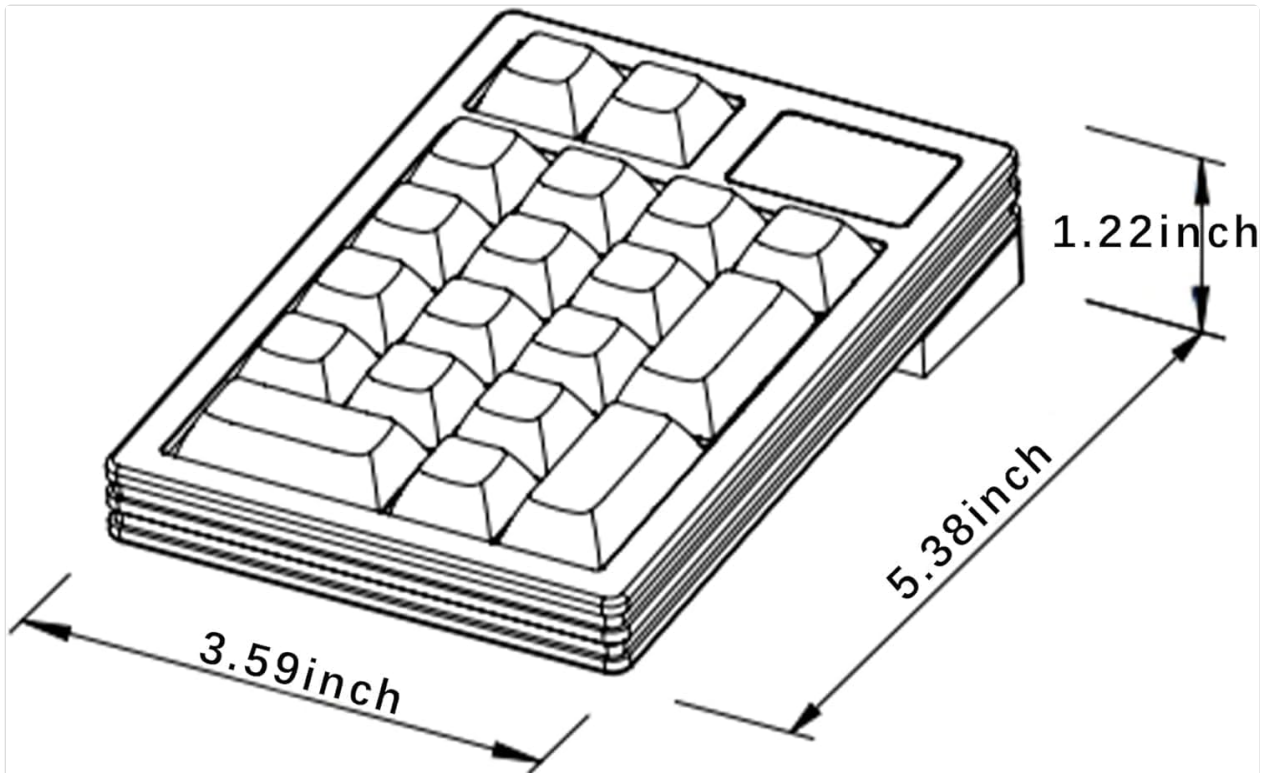


Image: A technical drawing illustrating the dimensions of the keypad.

7. WARRANTY AND SUPPORT

For warranty information, technical support, or further assistance, please contact NLOFIN customer service through the retailer where the product was purchased or visit the official NLOFIN website. Please retain your proof of purchase for warranty claims.

