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› Darmoshark SK16 Macro Mechanical Numeric Keypad User Manual

Darmoshark SK16

Darmoshark SK16 Macro Mechanical Numeric Keypad User Manual

Model: SK16

1. INTRODUCTION

The Darmoshark SK16 is a versatile 16-key macro mechanical numeric keypad designed for enhanced productivity and gaming. It features tri-mode connectivity (2.4G wireless, Bluetooth, and wired USB-C), hot-swappable switches, customizable RGB backlighting, and full programmability via VIA software. This manual provides detailed instructions for setup, operation, and maintenance of your SK16 keypad.

2. PRODUCT OVERVIEW

The SK16 keypad offers a compact yet powerful solution for users requiring dedicated macro keys or a numeric input device. Its robust construction and advanced features make it suitable for various applications, from professional work to gaming.

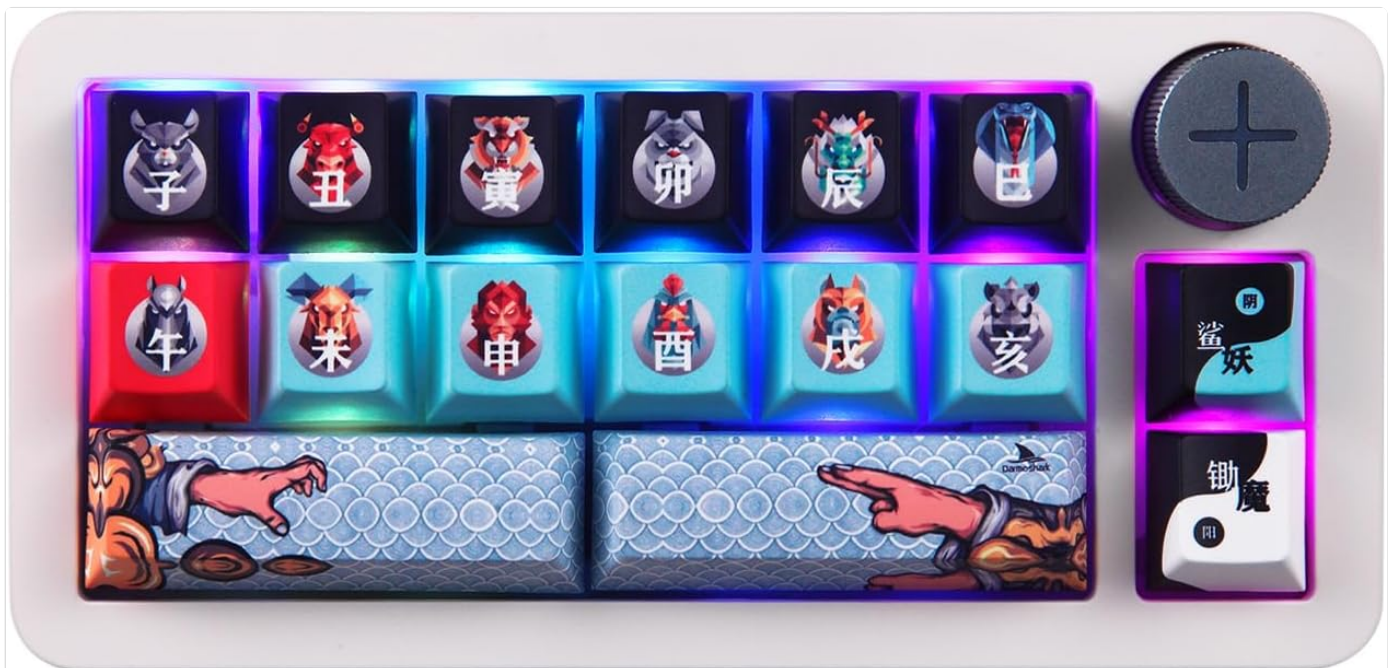


Figure 2.1: Front view of the Darmoshark SK16 Macro Mechanical Numeric Keypad, showcasing its 16 keys and rotary knob.

SHARK OUT OF THE ENCIRCLEMENT

SK16 RGB
TRI-MODE MECHANICAL KEYBOARD



Figure 2.2: Side view of the SK16 keypad, highlighting its ergonomic profile and compact design.

3. FEATURES

- **Tri-Mode Wireless Connectivity:** Supports 2.4G wireless, Bluetooth 5.0, and wired USB Type-C connections for versatile use across different devices.
- **Full Keyboard Hot-Swappable:** Equipped with Huanuo Purple Shaft switches, all keys are hot-swappable, allowing for easy switch replacement without soldering. Compatible with most triangular/pentagonal mechanical shafts.
- **Thermal Sublimation Themed Keycaps:** Features unique keycaps with a design inspired by the twelve hours of the day, produced using a five-side heat sublimation process for durability and aesthetic appeal.
- **RGB Music Rhythm:** Offers variable RGB dynamic light effects with uniform colors and multiple built-in lighting modes for quick switching.
- **Gasket Design & Dual Silicone Silencer Filling:** Incorporates a gasket-mounted structure with dual silicone filling for improved typing acoustics and feel.
- **Fully Programmable Keys:** Customize key functions and macros using the VIA software.

TRI-MODE WIRELESS CONNECTIVITY

Wireless Bluetooth 5.0 / 2.4G / Wired Type-C connection modes. Receiver compartment on the back of the keyboard easy to carry and store Not easily lost

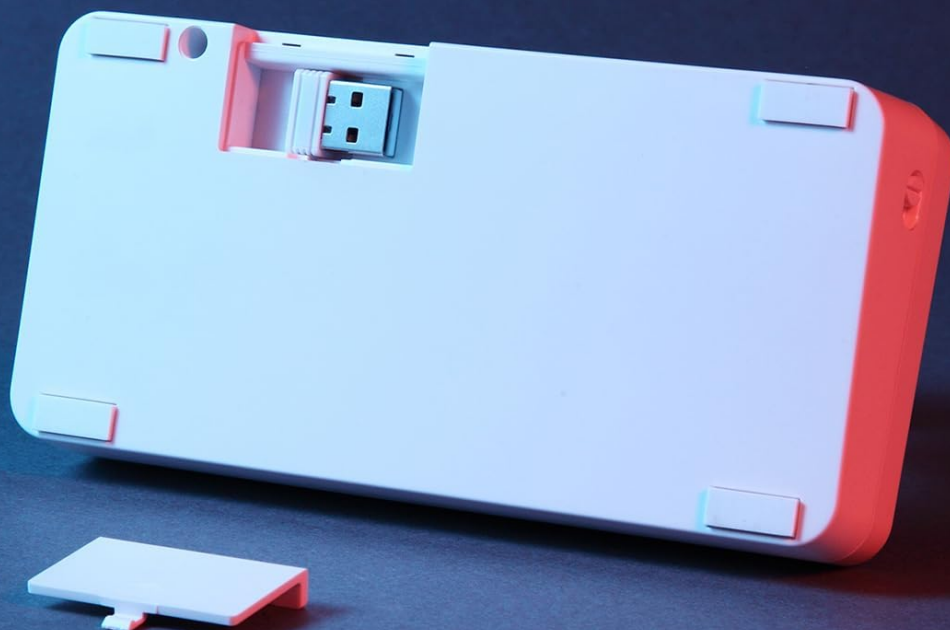


Figure 3.1: Illustration of the SK16's tri-mode connectivity options: Bluetooth, 2.4G wireless, and wired USB-C. The image also shows the receiver compartment on the back.

FULL KEYBOARD HOT-SWAPPABLE

All keys are equipped with Huanuo Purple Shaft, which supports hot-swapping of all keys. Branded hot-swappable base, compatible with most of the triangular/pentagonal mechanical shafts on the market. Independent physical toggle switches for clearer and faster switching.

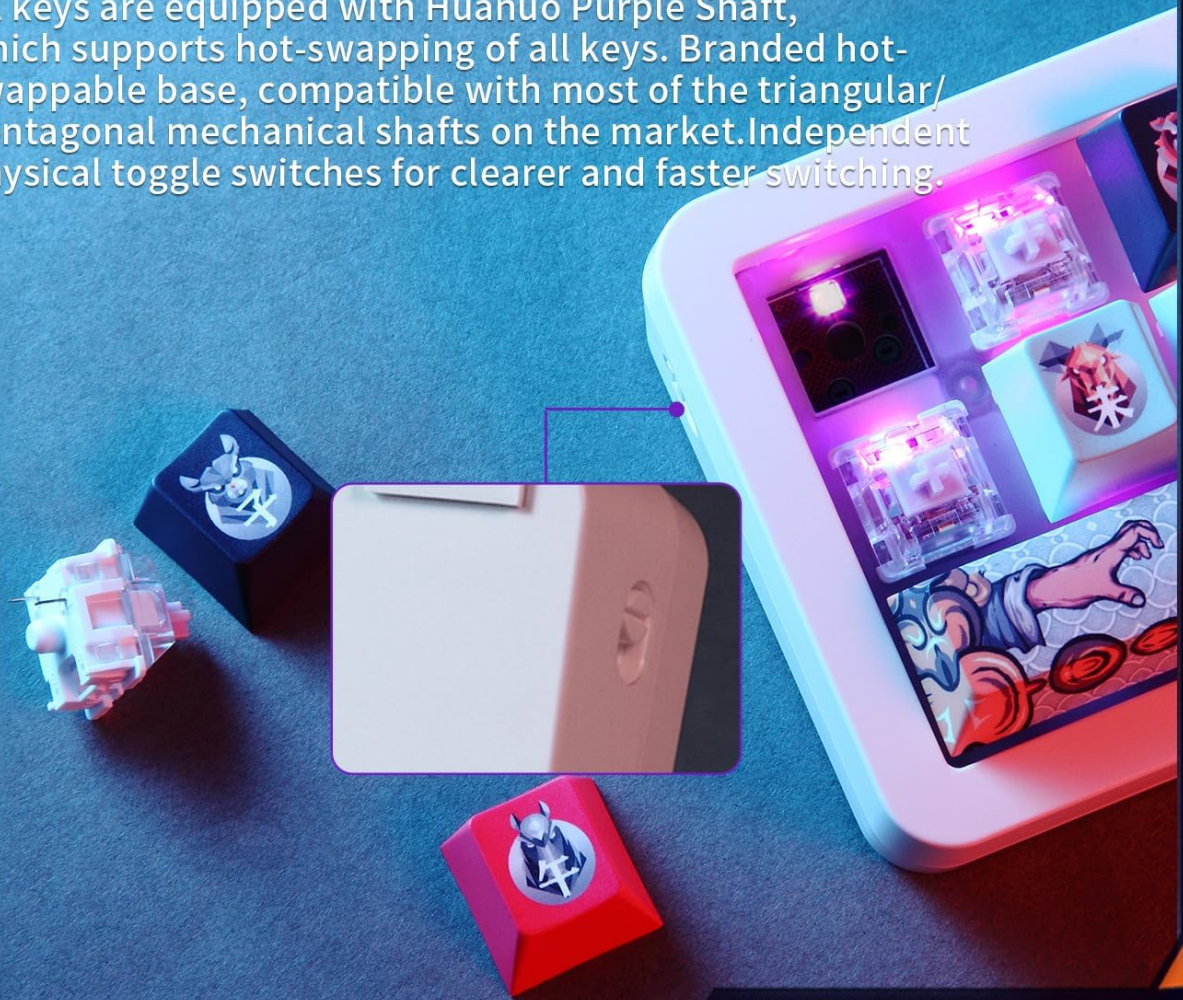


Figure 3.2: Close-up view demonstrating the hot-swappable switch feature of the SK16, allowing users to easily change switches.

THERMAL SUBLIMATION THEMED KEYCAPS

Its design is inspired by the twelve hours of the day, through the Modern five-side heat sublimation production process to restore its theme giving the keyboard a unique charm



Figure 3.3: Detailed view of the SK16's thermal sublimation themed keycaps, showcasing their unique artistic design.

RGB MUSIC RHYTHM

Variable RGB dynamic light effects with uniform colours
Built-in multiple lighting effects for quick switching

RGB



Figure 3.4: The SK16 keypad displaying its vibrant RGB backlighting effects.

TRI-MODE WIRELESS CONNECTIVITY

Wireless Bluetooth 5.0 / 2.4G / Wired Type-C connection modes



Figure 3.5: Exploded diagram illustrating the internal gasket design and dual silicone silencer filling of the SK16 keypad, contributing to its acoustic properties.

4. PACKAGE CONTENTS

Please check the package for the following items:

- Darmoshark SK16 Mechanical Keypad
- USB Type-C Charging Cable
- Shaft Puller
- 2.4G Receiver
- Adapters
- Product Manual (this document)

STANDALONE DRIVER SETTINGS

VIA driver only supports wired mode use
supports multi-layer macro definition programming

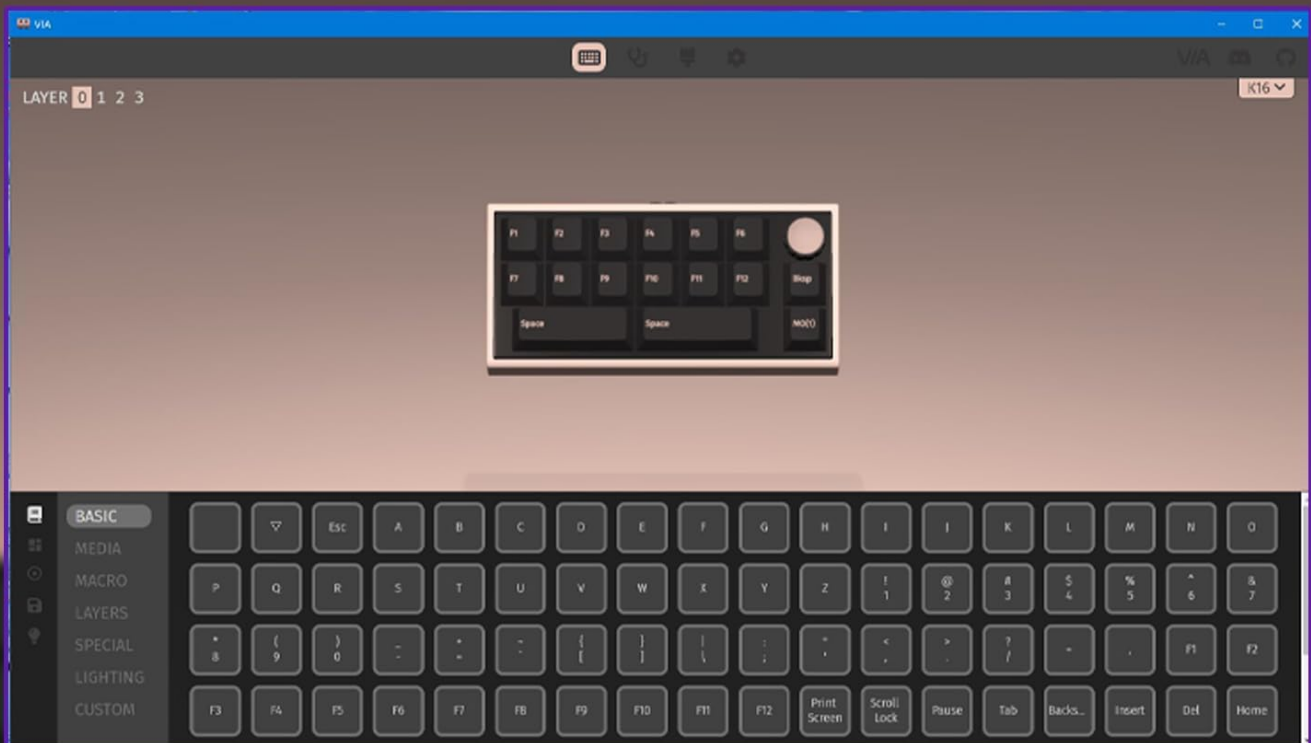


Figure 4.1: All items included in the Darmoshark SK16 package.

5. SETUP AND CONNECTIVITY

5.1 Initial Charging

Before first use, connect the SK16 keypad to a USB power source using the provided USB Type-C cable to ensure it is fully charged. The LED indicator will show charging status.

5.2 Connecting Your Keypad

The SK16 supports three connection modes:

1. **Wired Mode:** Connect the keypad directly to your computer using the USB Type-C cable. This mode is required for programming with VIA software.
2. **2.4G Wireless Mode:** Insert the 2.4G USB receiver into an available USB port on your computer. Turn on the keypad and switch to 2.4G mode. The keypad should automatically connect.

3. **Bluetooth Mode:** Turn on the keypad and switch to Bluetooth mode. On your device (computer, tablet, or smartphone), search for Bluetooth devices and select "Darmoshark SK16" to pair.

6. OPERATING THE KEYPAD

6.1 Basic Keypad Use

Once connected, the SK16 keypad functions as a standard numeric keypad or a set of programmable macro keys, depending on its current configuration. The rotary knob typically controls volume or other assigned functions.

6.2 Programming with VIA Software

The Darmoshark SK16 is fully programmable using the VIA software. This allows you to remap keys, create macros, and manage multiple layers of key assignments. **Note: VIA software only supports wired mode use for programming.**

1. Connect the SK16 keypad to your computer via the USB Type-C cable.
2. Download and install the VIA software from the official VIA website or the manufacturer's support page.
3. Open the VIA application. The software should automatically detect the SK16 keypad. If not, you may need to load the specific JSON definition file for the SK16, which can typically be found on the Darmoshark support website.
4. Within VIA, you can customize key assignments, create macros, and configure lighting effects across different layers. Changes are applied in real-time.



Figure 6.1: Screenshot of the VIA software interface, showing key mapping and customization options for the SK16 keypad.

6.3 RGB Lighting Control

The SK16 features customizable RGB backlighting. Lighting modes and brightness can be adjusted through the VIA software or via specific key combinations on the keypad itself, if pre-programmed.

7. MAINTENANCE

To ensure the longevity and optimal performance of your Darמושark SK16 keypad, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe down the keypad. For deeper cleaning, remove keycaps and use compressed air to clear debris from between switches.
- **Keycap and Switch Replacement:** Utilize the provided shaft puller to carefully remove keycaps and switches. When inserting new switches, ensure the pins align correctly with the hot-swap sockets to prevent damage.
- **Storage:** Store the keypad in a cool, dry place away from direct sunlight and extreme temperatures.

8. TROUBLESHOOTING

If you encounter issues with your SK16 keypad, refer to the following common solutions:

Keypad not responding:

Ensure the keypad is charged. Check the connection mode (wired, 2.4G, Bluetooth) and ensure it matches your device's connection. For 2.4G, verify the receiver is properly inserted. For Bluetooth, ensure it's paired and within range.

Cannot program with VIA:

Ensure the keypad is connected via **wired USB-C mode**. VIA software does not support wireless programming. Verify that the correct JSON definition file for the SK16 is loaded in VIA.

RGB lighting not working:

Check lighting settings in VIA software. Ensure the keypad is powered on and not in a low-power state.

Keys not registering:

If specific keys are not working, try reseating the keycap and switch. If the issue persists, the switch may need to be replaced.

9. SPECIFICATIONS

Product Name:

SK16QMK Mechanical Keyboard

Product Dimensions:

157 x 75 x 44 mm

Product Weight:

246g ± 10G (approximately 0.54 lbs)

Number of Keys:

16 Keys

Keystroke Life:

50 million cycles

Keyboard Type:

High keycap step design

Operating Voltage:

DC3.7V ± 5%

Operating Current:

Maximum 70mA when the light is fully on, 24mA when the light is off

Battery Capacity:

800mAh Lithium Ion (included)

Connection Method:

Wired, Bluetooth, 2.4G

System Requirements:

Windows / Android / Mac

Material:

Polybutylene Terephthalate (PBT)

Included Components:

USB Cable



Figure 9.1: Diagram summarizing the key specifications and dimensions of the Darmoshark SK16 keypad.

10. OFFICIAL PRODUCT VIDEO

Your browser does not support the video tag.

Video 10.1: An official product video showcasing the Darmoshark SK16 Macro Mechanical Numeric Keypad in use, highlighting its features and design. (Duration: 0:29)

11. WARRANTY AND SUPPORT

Darmoshark products are covered by a limited warranty. For detailed warranty information, technical support, or service inquiries, please visit the official Darmoshark website or contact their customer support. Keep your purchase receipt for warranty claims.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question