

## Darmoshark TOP98

# Darmoshark TOP98 Wireless Mechanical Keyboard User Manual

Model: TOP98 | Brand: Darmoshark

## 1. INTRODUCTION

Thank you for choosing the Darmoshark TOP98 Wireless Mechanical Keyboard. This high-performance keyboard is designed for both gaming and productivity, featuring a compact 98% layout, triple-mode connectivity (2.4G wireless, Bluetooth 5.0, and USB-C wired), hot-swappable switches, and a long-lasting 4000mAh battery. This manual provides detailed instructions on setting up, operating, and maintaining your keyboard to ensure optimal performance and longevity.

## 2. PACKAGE CONTENTS

- Darmoshark TOP98 Wireless Mechanical Keyboard
- USB-C to USB-A Cable
- 2.4G Wireless Receiver (dongle)
- Keycap Puller
- Switch Puller
- User Manual (this document)

## 3. PRODUCT OVERVIEW

The Darmoshark TOP98 keyboard combines a compact design with robust features. Below are key visual references and descriptions of its components and layout.



**Figure 3.1:** Top-down view of the Darmoshark TOP98 keyboard, showcasing its 98-key layout and vibrant RGB backlighting. Note the integrated screen display and rotary knob in the upper right.

T O P 9 8



- >> Lamp position under TOP structure
- >> Tri-mode wireless connection
- >> All-key hot-plugging
- >> 98% alignment

**IRONSAND**  
 Tri-mode mechanical keyboard  
THREE MODE MECHANICAL KEYBOARD



Mechanical Keyboard

Darmoshark

TOP98

**Figure 3.2:** Overview highlighting the TOP98's key attributes: lamp position under TOP structure, tri-mode wireless connection, all-key hot-plugging, and 98% alignment.



**Figure 3.3:** Illustration of the keyboard's versatile tri-mode connectivity, supporting Wireless Bluetooth 5.0, 2.4Ghz via dongle, and wired USB-C. The 2.4G receiver storage compartment is located on the back of the keyboard.



98% LAYOUT

# 98 per cent distribution layout

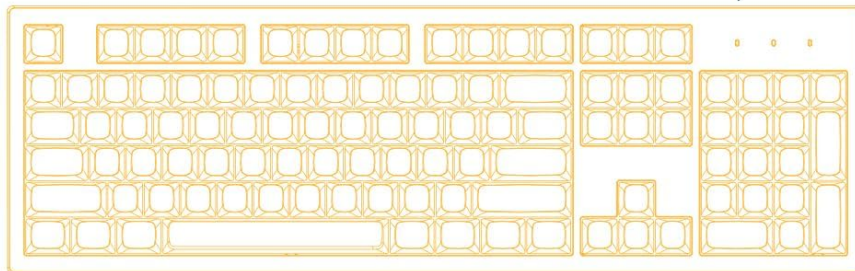
**It's all there in a nutshell.**

Retain the small numeric keypad while leaving more room for the mouse to slide around.

## 98KEYS



Savings of  
approximately  
15 per cent



## 104KEYS

**Figure 3.4:** The 98% layout retains the essential numeric keypad while offering approximately 15% space savings compared to a full-size 104-key keyboard, providing more desk space for mouse movement.

Hot Swap Switch

# Full keyboard hot-swappable

## Experience the joy of customisation

All keys can be replaced with the heart of the axis, different axes bring different feel and key sound choose the preferred axis, DIY belongs to their own keyboard.



**Figure 3.5:** The keyboard features full hot-swappable switch sockets, allowing users to easily replace 3-pin or 5-pin mechanical switches to customize typing feel and sound without soldering.

PBT ORIGINAL KEY CAP

## PBT original height keycaps

### Two-colour injection moulding process

PBT material, comfortable touch, delicate feel, wear-resistant and oil-resistant, clear characters are not easy to wear and tear off

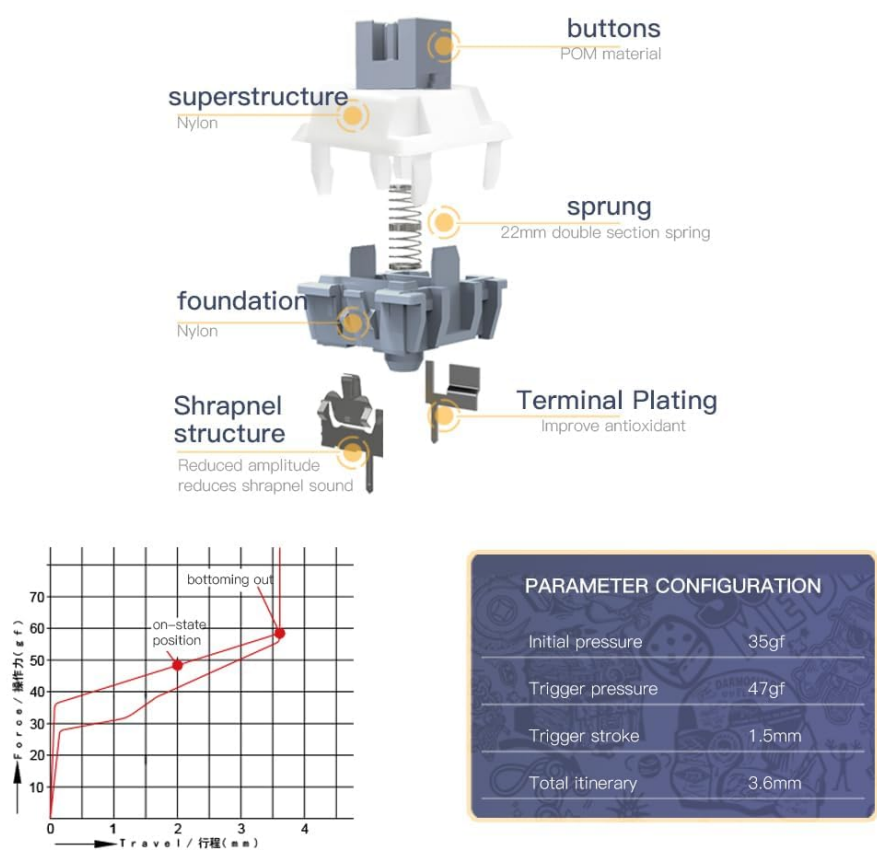


**Figure 3.6:** The TOP98 comes with PBT original height keycaps, manufactured using a two-color injection molding process. PBT material offers a comfortable touch, delicate feel, and superior wear and oil resistance compared to ABS, ensuring clear characters that resist fading.

# Opening a new era of gaming

Quick triggers, nothing to lose.

Using Darmoshark's customised Silver Shark linear axle body



**Figure 3.7:** Detailed breakdown of the Darmoshark Custom Silver Shark linear axle switch, designed for quick triggers. The diagram shows components like the POM buttons, nylon superstructure and foundation, 22mm double section spring, and shrapnel structure for reduced amplitude. A force curve graph illustrates its 35gf initial pressure, 47gf trigger pressure, 1.5mm trigger stroke, and 3.6mm total itinerary.



# Personalised on-screen display

You can set GIF and still picture through the driver:

Mode 1 setting: you can set up to 5 still pictures at a time.

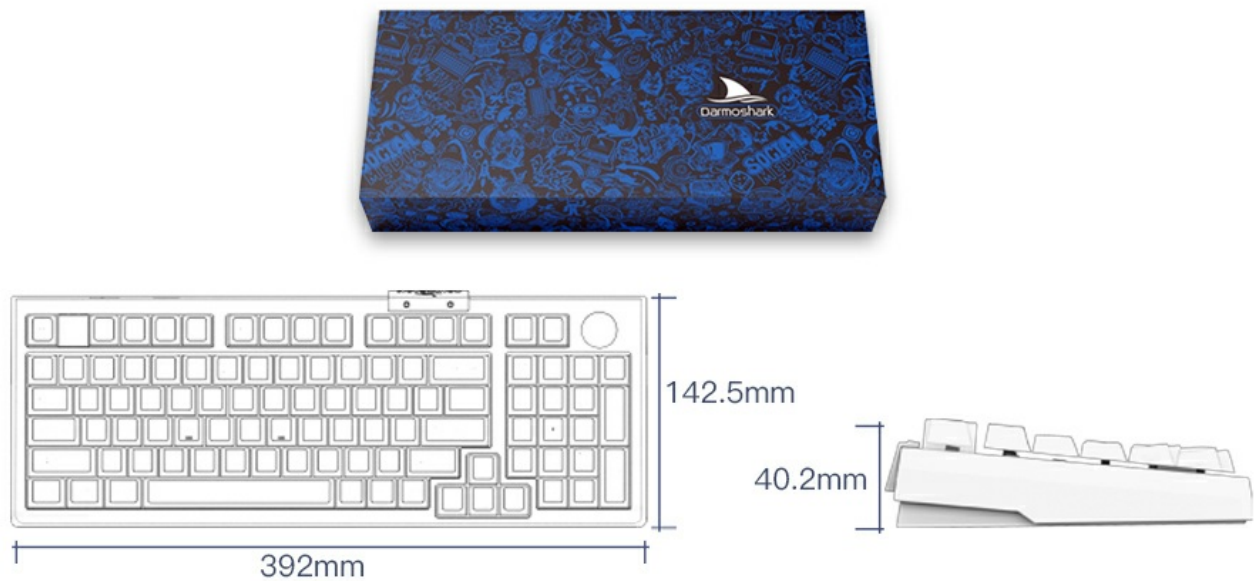
Mode 2 setting: only one GIF and 5 still pictures can be set.



**Figure 3.8:** The personalized on-screen display can show battery status, connectivity icons (Wi-Fi for 2.4G, Bluetooth icon), Lock WIN icon, and current mode display. Through the driver software, users can set up to 5 still pictures in Mode 1, or one GIF and 5 still pictures in Mode 2. Note: The factory battery icon may not show full charge until after initial use and charging.



# Parameter description



**Figure 3.9:** The TOP98 is equipped with a built-in 4000mAh high-capacity lithium battery. With custom hibernation technology for energy saving, it offers approximately 148 hours of continuous use (with backlight off) and about 296 hours of interval use.

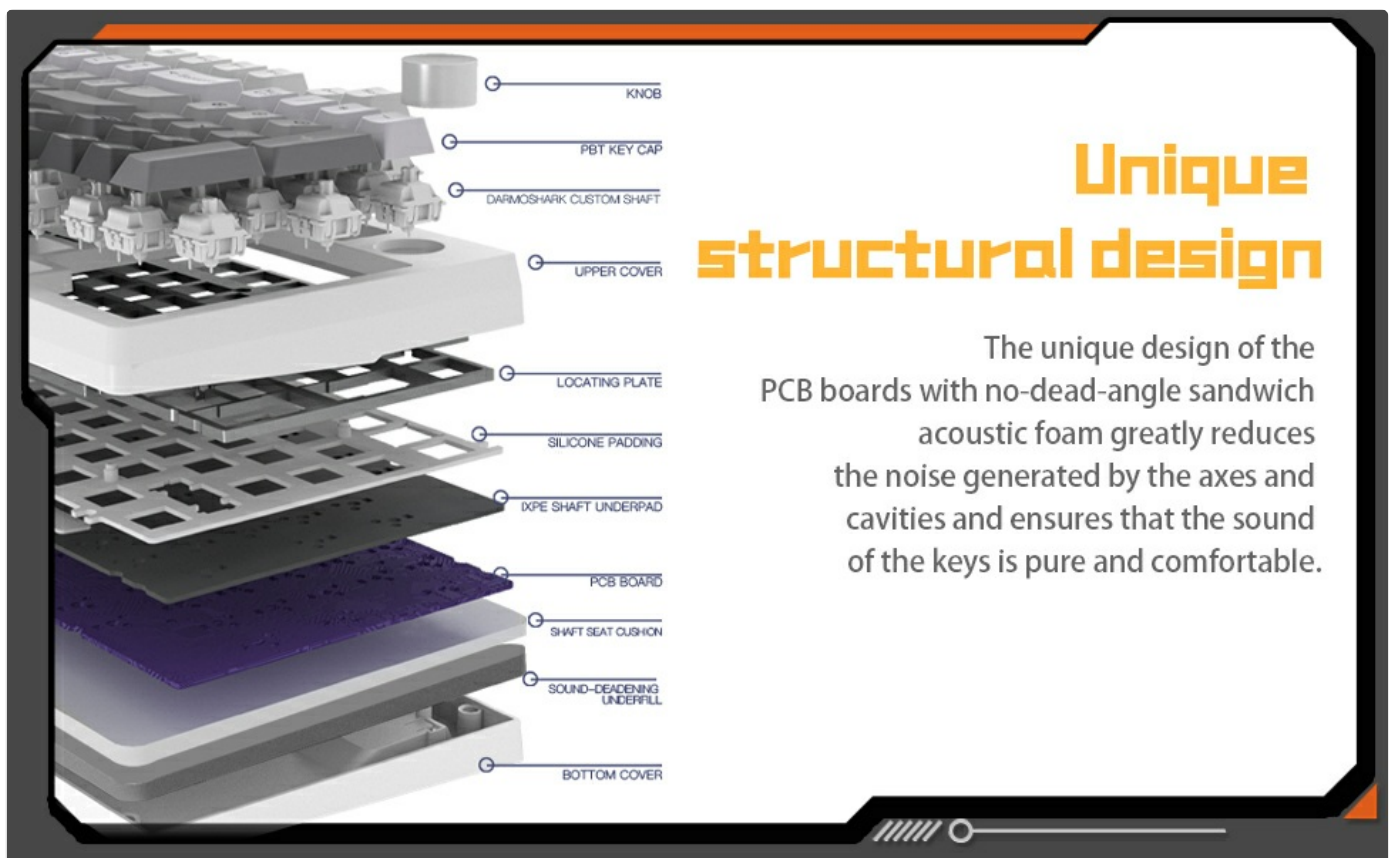
## Full keyboard hot-swappable

### Experience the joy of customisation

All keys can be replaced with the heart of the axis, different axes bring different feel and key sound choose the preferred axis, DIY belongs to their own keyboard.



**Figure 3.10:** The unique structural design incorporates silicone silencer pads on the top and bottom of the PCB board, along with acoustic foam. This "sandwich" design effectively eliminates cavity sound and ensures a pure, comfortable key sound.



**Figure 3.11:** The standalone driver software allows for extensive customization, including key remapping, macro creation, and RGB lighting effects. It functions seamlessly in both wired and wireless modes.



**Figure 3.12:** Dimensional drawing of the Darmoshark TOP98 keyboard, indicating its length of 392mm, width of 142.5mm, and height of 40.2mm.

## 4. SETUP AND CONNECTIVITY

The TOP98 offers three connection modes: 2.4G wireless, Bluetooth 5.0, and USB-C wired.

#### 4.1. 2.4G Wireless Mode

1. Locate the 2.4G wireless receiver (dongle) stored in the compartment on the back of the keyboard.
2. Plug the 2.4G receiver into an available USB port on your computer.
3. Toggle the mode switch on the keyboard to the 2.4G position (usually indicated by a wireless icon).
4. The keyboard should automatically connect. The screen display will show the 2.4G connection icon.

#### 4.2. Bluetooth 5.0 Mode

1. Toggle the mode switch on the keyboard to the Bluetooth position (usually indicated by a Bluetooth icon).
2. On your computer or device, enable Bluetooth and search for new devices.
3. The keyboard will appear as "Darmoshark TOP98" or similar. Select it to pair.
4. If prompted, enter the pairing code displayed on your screen using the keyboard.
5. The screen display will show the Bluetooth connection icon upon successful pairing. The keyboard can store multiple Bluetooth profiles. Refer to the full software manual for switching between profiles.

#### 4.3. USB-C Wired Mode

1. Connect one end of the provided USB-C cable to the keyboard's USB-C port.
2. Connect the other end of the USB-A cable to an available USB port on your computer.
3. The keyboard will automatically switch to wired mode and begin charging. No special driver installation is typically required for basic functionality.

#### 4.4. Charging the Keyboard

Connect the keyboard to your computer or a USB power adapter using the USB-C cable. The screen display will indicate charging status. A full charge typically takes several hours. The 4000mAh battery provides extended usage time.

### 5. OPERATING INSTRUCTIONS

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#### 5.1. Basic Key Functions

The TOP98 features a standard 98-key layout. Most keys function as labeled. Refer to the keyboard's keycap legends for specific functions. The rotary knob typically controls volume by default (rotate) and media playback (press).

#### 5.2. RGB Lighting Control

The keyboard features customizable RGB backlighting. Specific key combinations (often Fn + a designated key) are used to cycle through lighting modes, adjust brightness, and change colors. Consult the keyboard's quick guide or the software manual for detailed RGB control shortcuts.

#### 5.3. Hot-Swapping Switches

The TOP98 supports hot-swapping of 3-pin and 5-pin mechanical switches. To replace a switch:

1. Use the provided keycap puller to carefully remove the desired keycap.
2. Use the provided switch puller to gently grip the top and bottom clips of the switch and pull it straight up.
3. Align the pins of the new switch with the holes on the PCB. Ensure the pins are straight.
4. Gently press the new switch into place until it clicks securely. Do not force it.
5. Replace the keycap.



## 5.4. Software Customization

For advanced customization, download the official Darmoshark TOP98 driver software from the manufacturer's website. The software allows you to:

- Remap keys and create macros.
- Customize RGB lighting effects, colors, and brightness.
- Configure the integrated screen display with custom images or GIFs.
- Adjust polling rates and other performance settings.

Ensure your keyboard is connected via USB-C or 2.4G wireless for optimal software functionality.

## 6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to wipe down the keyboard. For deeper cleaning, remove keycaps using the provided puller and use compressed air to clear debris from between switches. Avoid using harsh chemicals or abrasive materials.
- **Battery Care:** To prolong battery life, avoid fully discharging the keyboard frequently. Store in a cool, dry place when not in use for extended periods.
- **Storage:** When storing the keyboard, especially for long periods, ensure it is turned off to conserve battery.

## 7. TROUBLESHOOTING

Problem	Possible Solution
Keyboard not connecting in 2.4G/Bluetooth mode.	<ul style="list-style-type: none"><li>• Ensure the keyboard is in the correct mode (2.4G or Bluetooth).</li><li>• For 2.4G, ensure the dongle is securely plugged in and try a different USB port.</li><li>• For Bluetooth, ensure Bluetooth is enabled on your device and try re-pairing.</li><li>• Check battery level; charge the keyboard if low.</li><li>• Restart your computer/device.</li></ul>
Keys not responding or double-typing.	<ul style="list-style-type: none"><li>• Ensure the switch is properly seated in its socket. Gently press down on the keycap.</li><li>• If a specific key is problematic, try hot-swapping the switch with a known working one to diagnose if the switch or socket is faulty.</li><li>• Clean any debris around or under the keycap/switch.</li></ul>
RGB lighting not working or stuck.	<ul style="list-style-type: none"><li>• Check if RGB lighting is enabled via keyboard shortcuts or software.</li><li>• Ensure the keyboard has sufficient battery charge.</li><li>• Try resetting the keyboard (refer to software manual for specific reset instructions).</li><li>• Update keyboard firmware via the official software.</li></ul>




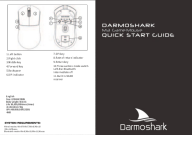

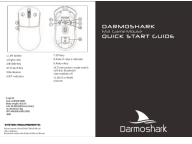
Problem	Possible Solution
Software not detecting keyboard.	<ul style="list-style-type: none"><li>• Ensure the keyboard is connected via USB-C cable.</li><li>• Close and reopen the software.</li><li>• Reinstall the software.</li><li>• Check for software updates.</li></ul>

## 8. SPECIFICATIONS

Feature	Detail
Model	TOP98
Layout	98-key (98%)
Connectivity	Triple Mode: 2.4G Wireless, Bluetooth 5.0, USB-C Wired
Switches	Hot-swappable (compatible with 3-pin/5-pin mechanical switches)
Keycaps	PBT Original Height, Two-color Injection Moulding
Battery Capacity	4000mAh Lithium Ion
Backlight	Full RGB
Dimensions (L x W x H)	392mm x 142.5mm x 40.2mm (approx. 15.4 x 5.6 x 1.6 inches)
Item Weight	2.5 pounds
Compatible Devices	PC
Manufacturer	Darmoshark
Date First Available	July 9, 2024

## 9. WARRANTY AND SUPPORT

Darmoshark products come with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Darmoshark website. If you encounter any issues or require technical assistance, please contact Darmoshark customer support through their official channels or the retailer from whom you purchased the product. Please have your model number (TOP98) and purchase details ready when contacting support.

	<p><a href="#">Darmoshark K7 Pro Gaming Keyboard Quick Start Guide</a></p> <p>A quick start guide for the Darmoshark K7 Pro gaming keyboard, covering custom lighting, wired and wireless modes, system switching, multimedia controls, and troubleshooting.</p>
	<p><a href="#">DARMOSHARK M3 Game Mouse Quick Start Guide - Specifications &amp; Setup</a></p> <p>Comprehensive quick start guide for the DARMOSHARK M3 Game Mouse, detailing its features, electrical parameters, connection modes, system requirements, and FCC compliance.</p>
	<p><a href="#">Darmoshark K7 Pro Gaming Keyboard Quick Start Guide</a></p> <p>A quick start guide for the Darmoshark K7 Pro gaming keyboard, covering custom lighting, wired and wireless modes, system switching, multimedia controls, and troubleshooting.</p>
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