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› Punkston TK87 Mechanical Gaming Keyboard User Manual

Punkston TK87

Punkston TK87 Mechanical Gaming Keyboard User Manual

Model: TK87

Brand: Punkston

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Punkston TK87 Mechanical Gaming Keyboard. Please read this manual thoroughly before using the product to ensure proper functionality and longevity.

PACKAGE CONTENTS

- Punkston TK87 Mechanical Gaming Keyboard
- Keycap Puller
- User Manual (This document)

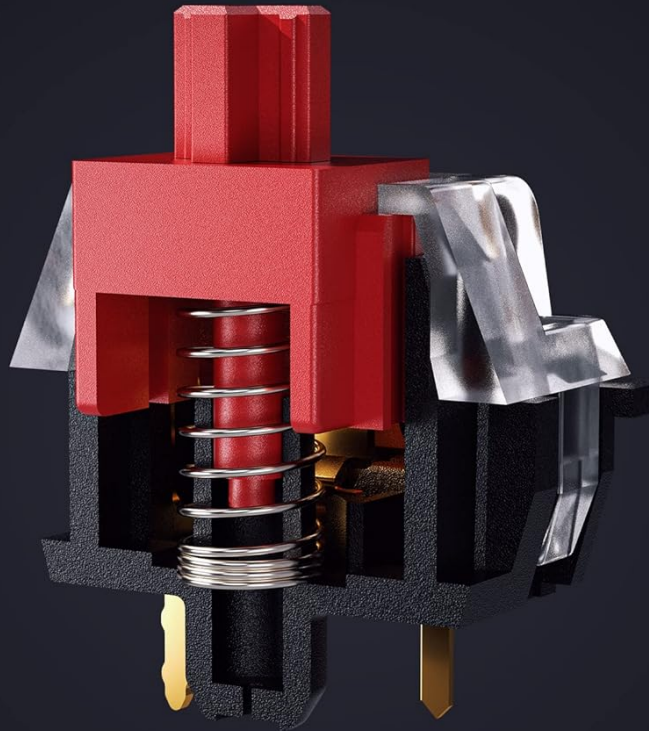
SETUP

Follow these steps to set up your keyboard:

1. Connect the USB cable from the keyboard to an available USB port on your computer.
2. The keyboard is designed for plug-and-play functionality and should be automatically recognized by your operating system without additional drivers.
3. For advanced customization, including key remapping and macro settings, download the official software from the Punkston website.

TWO SWITCHES AVAILABLE

Up to 50M click life span



50 Million
Stronger
Durability



2.0mm
Travel
Distance

Image: The Punkston TK87 Mechanical Gaming Keyboard connected via USB to a computer setup, illustrating the simple connection process.

OPERATING INSTRUCTIONS

Basic Keyboard Functions

The TK87 features a Tenkeyless (TKL) 87-key layout. All standard alphanumeric and function keys operate as expected. The compact design saves space while retaining essential keys.

N-Key Rollover / Anti-Ghosting: The keyboard supports N-Key rollover, which means any number of keys can be pressed simultaneously without input loss or 'ghosting'. This feature is crucial for fast-paced gaming and accurate typing.

RGB Lighting Control

The keyboard features vibrant Rainbow Backlit RGB with 23 distinct lighting modes and 5 adjustable brightness levels.

- **Changing Lighting Modes:** Use the designated function key combinations (typically Fn + a specific key, as

indicated by keyboard legends) to cycle through the 23 available lighting modes.

- **Adjusting Brightness:** Use the designated function key combinations to increase or decrease the brightness across 5 levels.
- **Adjusting Lighting Speed:** For dynamic lighting effects, use the designated function key combinations to adjust the speed of the animation.
- **Turning Lights On/Off:** A specific function key combination allows you to toggle the backlighting on or off.



Image: An icon representing the RGB rainbow keyboard lighting feature, indicating customizable illumination.

23 LED MODES

Adjustable Brightness Adjustable Lighting Speed



23 Lighting
Modes



Adjustable
Brightness



Adjustable
Lighting Speed



Lights
On/Off

Image: The TK87 keyboard displaying various LED lighting modes, accompanied by icons indicating 23 lighting modes, adjustable brightness, adjustable lighting speed, and lights on/off functionality.

Customization (Software Required)

For advanced customization options, download and install the official Punkston software from the manufacturer's website. This software enables:

- **Key Remapping:** Reassign functions to individual keys to suit your workflow or gaming preferences.
- **Macro Recording:** Create and assign complex sequences of keystrokes to a single key for efficient execution of commands.
- **Custom Lighting Profiles:** Design and save personalized RGB lighting effects and patterns.

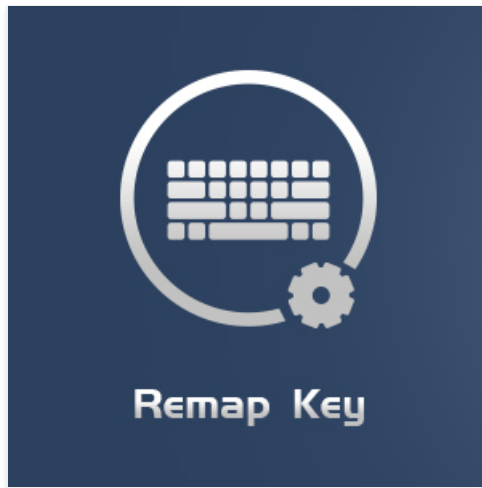


Image: An icon representing the key remapping function, indicating the ability to customize key assignments.



Image: An icon representing the macro setting function, indicating the ability to record and assign complex commands.

ADJUSTABLE STAND

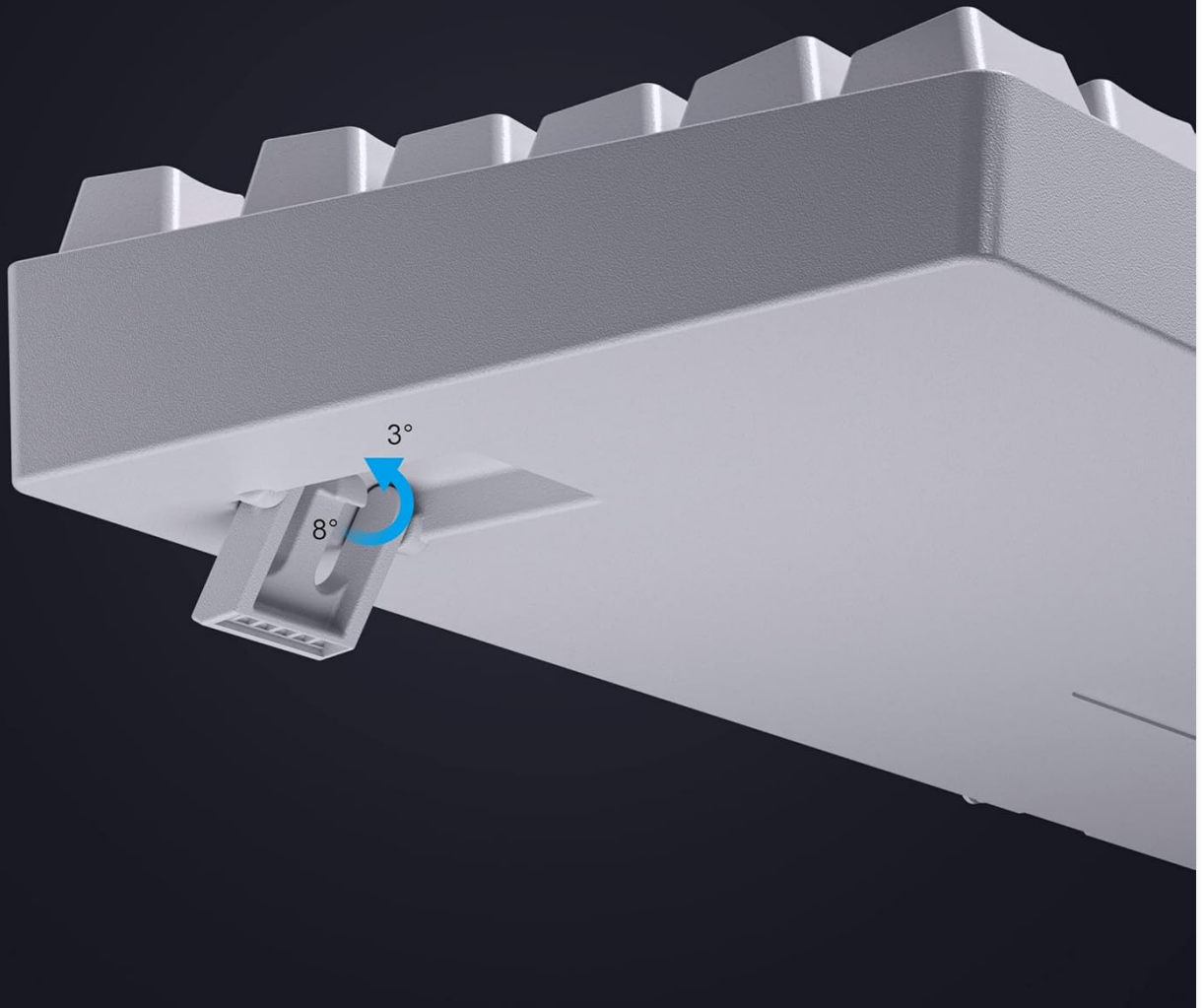


Image: Screenshots of the Punkston software interface, demonstrating options for RGB lighting customization, creating custom profiles, and macro recording.

Adjustable Stand

The keyboard is equipped with an adjustable stand on its underside. This allows users to modify the typing angle to either 3 degrees or 8 degrees, enhancing ergonomic comfort during extended use.

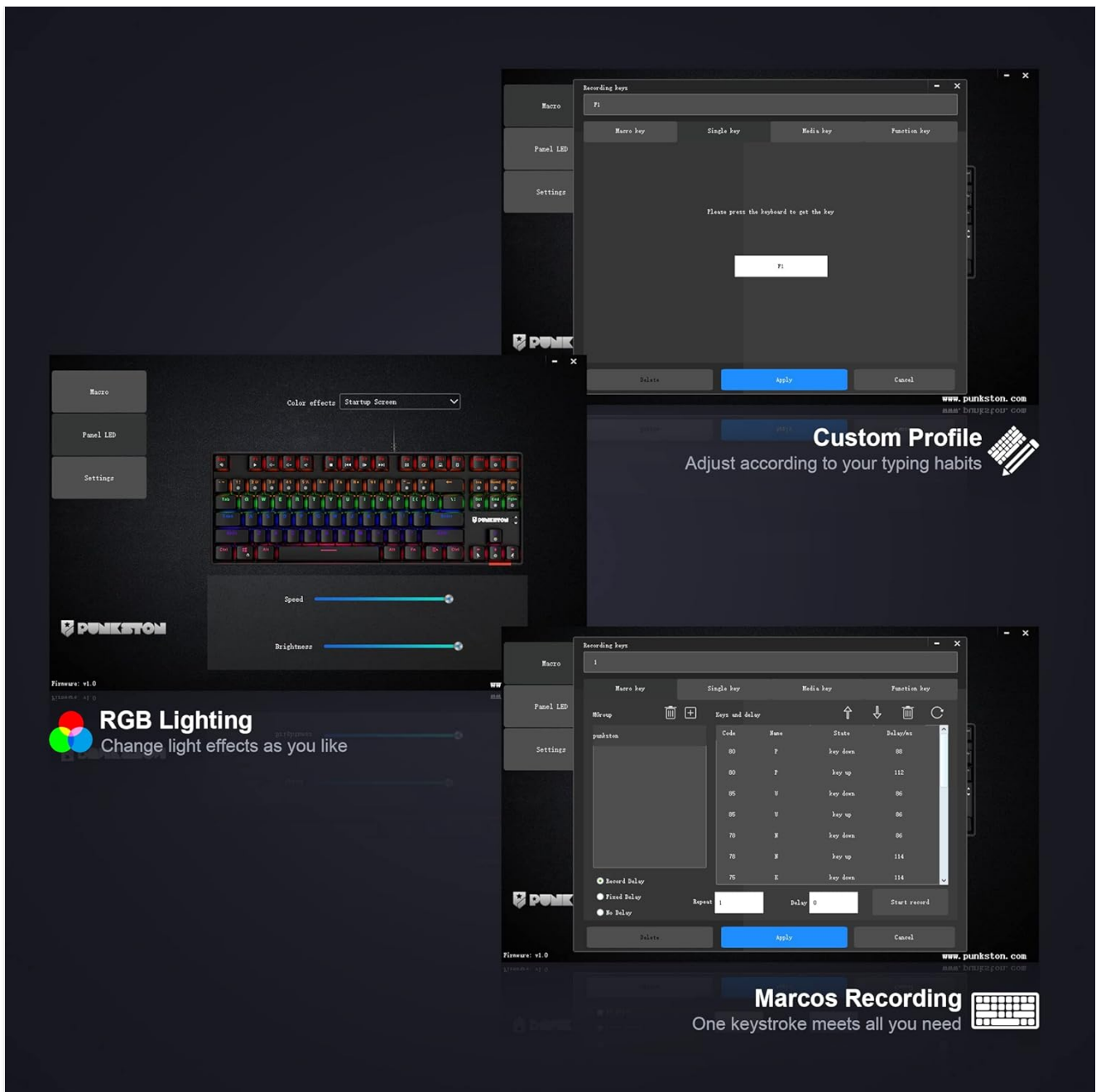


Image: A close-up view of the adjustable stand located on the underside of the keyboard, illustrating the two available angle settings (3° and 8°).

MAINTENANCE

Cleaning

To maintain your keyboard's performance and appearance:

- Always disconnect the keyboard from your computer before cleaning.
- Use a soft, dry, lint-free cloth to gently wipe down the keycaps and the keyboard chassis.
- For thorough cleaning, use the included keycap puller to carefully remove keycaps. Clean underneath with compressed air to remove dust and debris, or use a small, soft brush.
- Avoid using harsh chemical cleaners, solvents, or abrasive materials, as these can damage the keyboard's finish or keycap legends.

ABS KEYCAPS

ABS material provides excellent touch



Image: A close-up of an ABS keycap, highlighting its material composition which provides a pleasant touch and durability.

Keycap Replacement

The TK87 utilizes Cherry MX style keycaps, allowing for easy customization and replacement. Use the provided keycap puller to carefully remove existing keycaps by gripping them firmly and pulling straight up. When replacing, align the keycap with the switch stem and press down gently until it clicks into place.

TROUBLESHOOTING

Keyboard Not Responding

- Ensure the USB cable is securely connected to both the keyboard and an active USB port on your computer.
- Try connecting the keyboard to a different USB port on your computer.
- Test the keyboard on another computer to determine if the issue is with the keyboard or your system.

Lighting Not Working

- Verify that the backlighting has not been turned off using the designated function key combination.

- Check the brightness settings using the function key combinations to ensure it is not set to the lowest level.
- If using customization software, ensure no conflicting lighting profiles are active or that the software is not overriding manual settings.

Keys Not Registering

- Carefully clean around the affected key to ensure no debris or foreign objects are obstructing the mechanical switch.
- If the issue persists after cleaning, contact customer support for further assistance.

SPECIFICATIONS

Feature	Detail
Model	TK87
Layout	Tenkeyless (TKL), 87 Keys
Switch Type	Mechanical (Red Switch)
Keycap Material	ABS
Backlighting	RGB Rainbow LED (23 modes, 5 brightness levels)
Anti-Ghosting	N-Key Rollover
Connectivity	Wired USB
Compatible Devices	Windows 7/8/10/XP/VISTA, Mac OS, Linux
Weight	2 Pounds

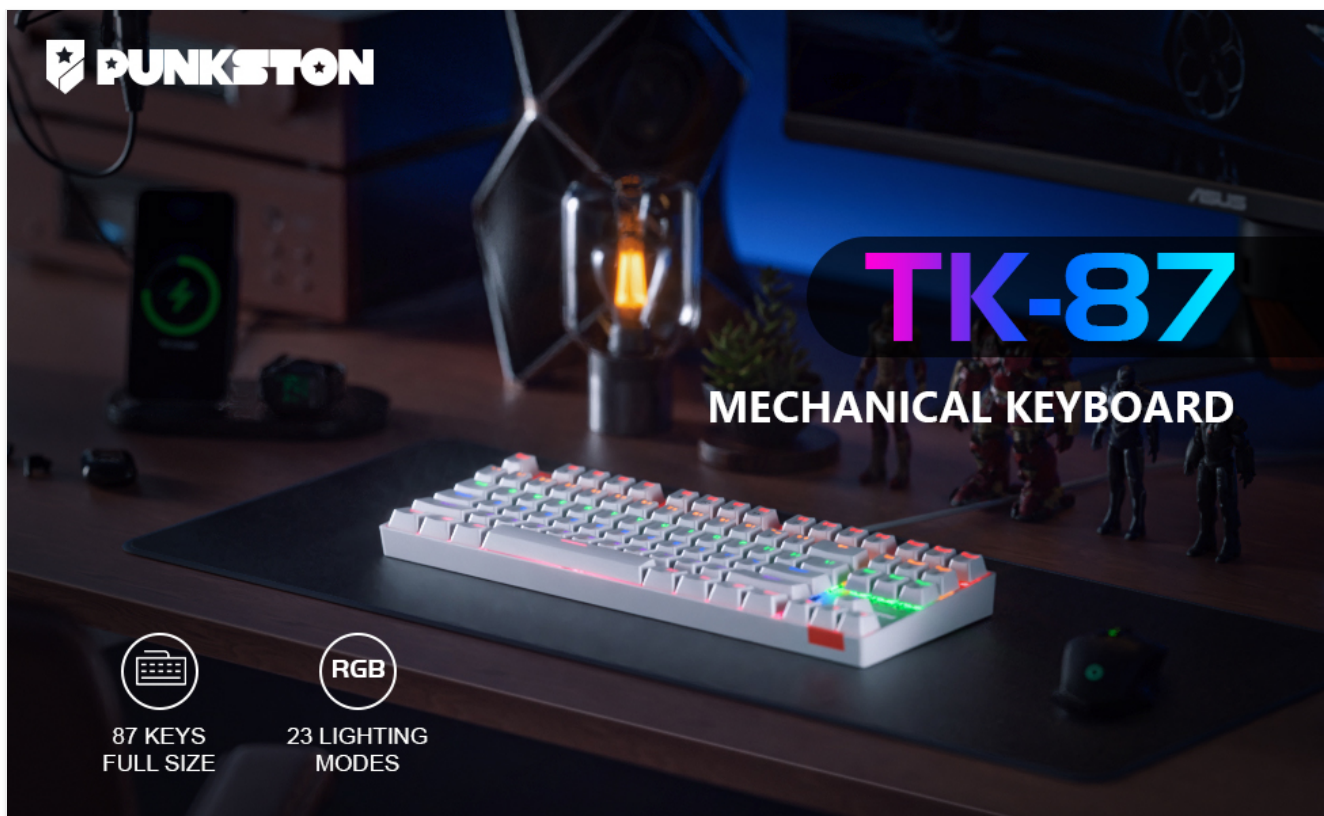


Image: The Punkston TK87 85% tenkeyless mechanical keyboard positioned within a modern gaming setup, showcasing its design

and size.

Mechanical Switches (Cherry MX Equivalent)

Ultra-durable Keys tested over 50 million keystrokes

	<ul style="list-style-type: none">50 ± 10 gf Actuation Force2.0 ± 0.6 mm Keystroke Travel		<ul style="list-style-type: none">45 ± 10 gf Actuation Force2.0 ± 0.6 mm Keystroke Travel
Tactile & Clicky	BLUE SWITCH	Linear & Quiet	RED SWITCH

Image: A banner illustrating key features of mechanical keyboards, including different switch types (Blue and Red) and their respective actuation forces and travel distances.



Image: A detailed close-up of a red mechanical switch, highlighting its internal spring mechanism and specifications such as a 50 million click lifespan and 2.0mm travel distance.

COMPATIBILITY

The Punkston TK87 Mechanical Gaming Keyboard is compatible with a wide range of operating systems, ensuring broad usability:

- Windows 7
- Windows 8
- Windows 10
- Windows XP
- Windows VISTA
- Mac OS
- Linux

WARRANTY AND SUPPORT

For detailed warranty information, technical support, or to download the latest software and drivers, please refer to the official Punkston website or contact their customer service department.

Official Store Link: [Visit the Punkston Store on Amazon](#)

PRODUCT VIDEO

Your browser does not support the video tag.

Video: An official product video showcasing the Punkston TK87 Mechanical Gaming Keyboard, demonstrating its RGB lighting effects, compact design, and overall aesthetic in a gaming environment.