

Mosptnspg ZH018

Mosptnspg 75% TKL Wired Mechanical Keyboard User Manual

MODEL: ZH018

1. Introduction

This manual provides detailed instructions for the Mosptnspg 75% TKL Wired Mechanical Keyboard, Model ZH018. This keyboard features an 82-key compact layout, RGB backlighting, gasket mount design, hot-swappable switches, PBT keycaps, and a dedicated volume knob. Please read this manual thoroughly to ensure proper setup and operation of your device.



Image 1.1: Mosptnspg 75% TKL Wired Mechanical Keyboard overview.

2. Package Contents

Verify that all items are present in the package:

- Mosptnspg 75% TKL Wired Mechanical Keyboard (Model ZH018)
- USB-C to USB-A Cable
- Keycap Puller
- User Manual (this document)

3. Product Features

The Mosptnspg ZH018 keyboard is designed with several advanced features for an enhanced typing and gaming experience:

- **75% Layout (82 Keys):** A compact design that includes function keys and arrow keys, optimizing desk space.
- **Gasket Mount Structure:** Advanced internal structure with two layers of padding and noise cancellation for a

quiet and solid typing feel.

- **Hot-Swappable Switches:** Compatible with 3-pin and 5-pin mechanical switches, allowing for easy customization without soldering.
- **Linear Red Switches:** Provide a consistent force throughout the keystroke, offering a smooth and responsive typing experience suitable for gaming and general use.
- **PBT Keycaps:** Durable, anti-sweat, non-sticky, and non-slip keycaps for long-lasting comfort and aesthetics.
- **RGB Backlighting:** Customizable with over 16.8 million colors and various lighting effects.
- **Multimedia Volume Knob:** A dedicated knob for convenient volume control and play/pause functionality.
- **Ergonomic Design:** Features two-step adjustable feet to maintain a comfortable typing angle and reduce fatigue.



Image 3.1: Diagram illustrating the internal gasket mount structure, PBT keycaps, and linear red switches.

ERGONOMIC DESIGN

Two-step Adjustable Legs

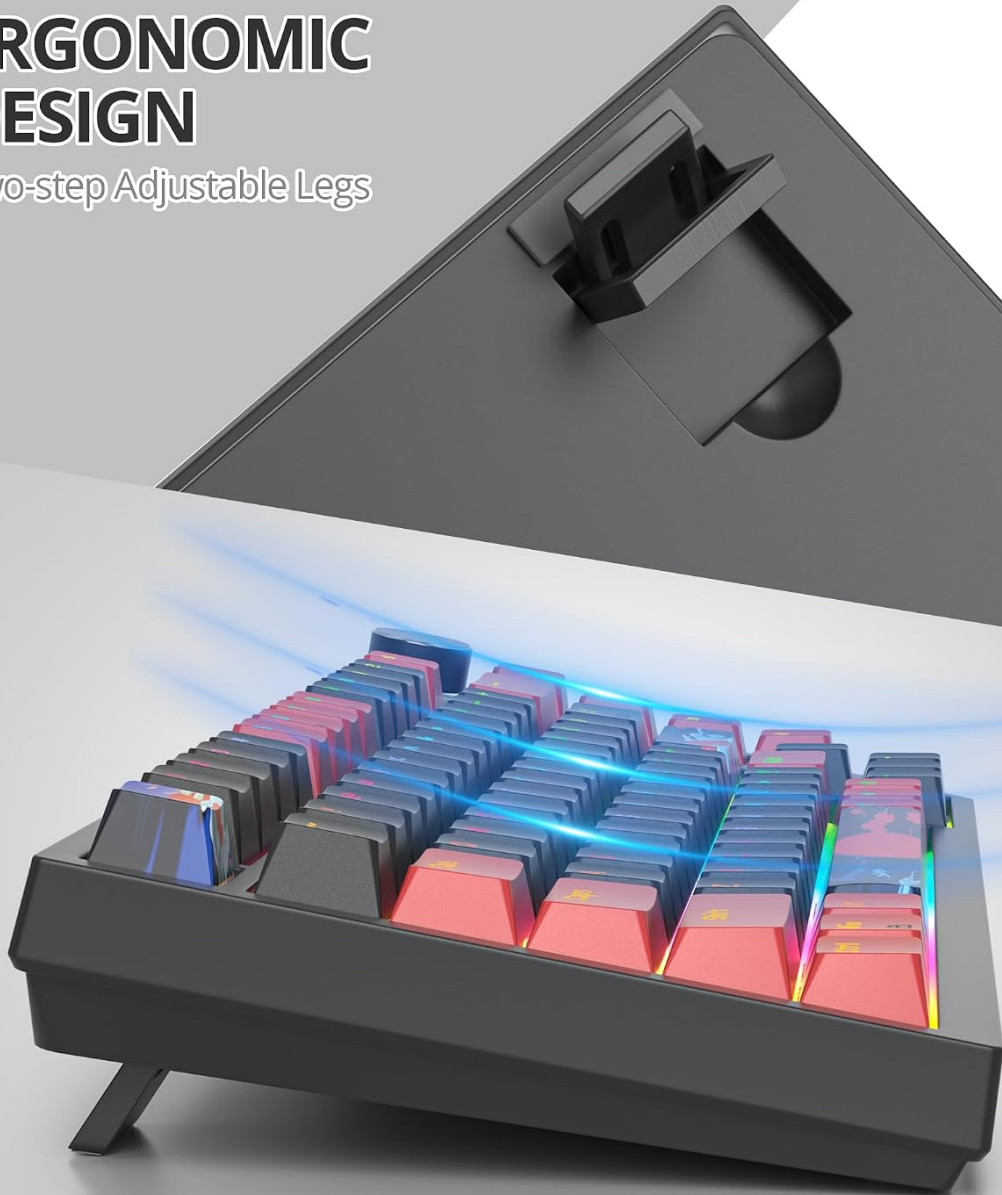


Image 3.2: Keyboard showcasing its ergonomic design with two-step adjustable legs.

4. Setup

1. Connect the Keyboard:

Connect the provided USB-C to USB-A cable to the USB-C port on the keyboard and the USB-A port on your computer. The keyboard is plug-and-play and should be recognized automatically by your operating system.



Image 4.1: Keyboard connected with its removable data cable and adjustable legs.

2. Adjust Keyboard Angle:

Flip out the two-step adjustable feet located on the underside of the keyboard to achieve your preferred typing angle.

5. Operating Instructions

5.1 Basic Functions

- **Standard Keys:** All standard alphanumeric and symbol keys function as expected.
- **Function Keys (F1-F12):** Access function keys directly.
- **Arrow Keys:** Dedicated arrow keys are integrated into the 75% layout.



Image 5.1: Highlighted keys for Caps Lock, Windows Lock, and System Switch functions.

5.2 Multimedia Shortcut Keys

The keyboard includes 12 multimedia shortcut keys accessible by pressing the **Fn** key in combination with the corresponding F-key (F1-F12).



Image 5.2: Illustration of multimedia shortcut key combinations (Fn + F1-F12).

5.3 Multimedia Knob

The dedicated knob located in the upper right corner of the keyboard provides quick control over media functions:

- **Turn Knob:** Rotate clockwise to increase volume, counter-clockwise to decrease volume.
- **Press Knob:** Press the knob to play or pause media playback.



Image 5.3: Detailed view of the multimedia knob and its functionalities.

5.4 RGB Lighting Control

The keyboard features customizable RGB backlighting. You can cycle through various lighting effects and adjust brightness directly on the keyboard or through the dedicated software.

- Specific key combinations for on-board lighting control are typically found in the quick start guide or software documentation.
- For advanced customization, including per-key RGB and macro settings, refer to the programmable software.



Image 5.4: Close-up view of the keyboard showcasing its vibrant RGB backlighting.

5.5 Hot-Swapping Switches

The Mosptnspg ZH018 keyboard supports hot-swappable mechanical switches (3-pin or 5-pin), allowing you to change switches without soldering.

1. **Remove Keycap:** Use the included keycap puller to gently remove the desired keycap.
2. **Remove Switch:** Use a switch puller (not included, but often comes with replacement switches) to carefully pull the switch straight up from the PCB.
3. **Insert New Switch:** Align the pins of the new switch with the holes on the PCB. Press the switch firmly until it clicks into place. Ensure pins are not bent.
4. **Replace Keycap:** Place the keycap back onto the new switch stem.

HOT-SWAPPABLE

Matching 3-pin
And 5-pin Mechanical Switches



Image 5.5: Illustration of the hot-swappable feature, showing how switches can be removed and replaced.



Image 5.6: Close-up view of linear switches and the custom stabilizer mechanism.

5.6 Software Customization

The keyboard supports programmable software for advanced customization. This software allows users to:

- Set custom lighting effects (over 16.8 million RGB colors).
- Define key functions and remap keys.
- Create and manage macros.

The software typically includes on-board memory, so settings are saved directly to the keyboard and do not require the software to run continuously in the background.

Note: The software for this keyboard is often referred to as "Surmen M87" or similar. Please refer to the manufacturer's website or product page for the latest software download link and instructions.



Image 5.7: Screenshot of the programmable software interface for lighting and key function customization.



Image 5.8: The keyboard's software interface shown across various devices, demonstrating its customization capabilities.

6. Maintenance

- **Cleaning Keycaps:** Use a soft, damp cloth to wipe down the PBT keycaps. For deeper cleaning, remove keycaps using the provided keycap puller and wash them with mild soap and water. Ensure they are completely dry before reattaching.
- **Cleaning the Keyboard Body:** Use a soft, dry cloth to clean the keyboard body. Avoid using harsh chemicals or abrasive materials.
- **Dust Removal:** Use compressed air to remove dust and debris from between the keycaps and switches.

7. Troubleshooting

Problem	Possible Cause	Solution
Keyboard not responding	Loose USB connection, faulty cable, driver issue.	• Ensure the USB cable is securely connected to both the keyboard and the computer. • Try a different USB port on your computer. • Test with a different USB-C cable if available. • Restart your computer.
RGB lighting not working or incorrect	Lighting mode not selected, software conflict, switch issue.	• Cycle through lighting modes using keyboard shortcuts (refer to quick start guide or software). • Ensure the keyboard software is installed and configured correctly. • Check if any individual switch LEDs are faulty (rare).
Keys not registering input	Loose or faulty switch, debris under keycap.	• Remove the keycap and switch (refer to Section 5.5) and re-seat the switch firmly. • Clean any debris around the switch socket. • If the issue persists, the switch may be faulty and require replacement.

Problem	Possible Cause	Solution
Multimedia knob not functioning	Software conflict, physical obstruction.	◦ Ensure no other software is interfering with media controls. ◦ Check for any physical obstruction preventing the knob from turning or pressing. ◦ Restart your computer.

8. Specifications

Feature	Detail
Model Number	ZH018
Layout	75% (82 Keys)
Switch Type	Linear Red Switch (Hot-Swappable, 3-pin/5-pin compatible)
Keycap Material	PBT (Polybutylene Terephthalate)
Mounting Style	Gasket Mount
Backlighting	RGB (16.8 million colors, multiple effects)
Connectivity	Wired (USB-C to USB-A)
Special Features	Multimedia Knob, Ergonomic Adjustable Feet, Programmable Software, Anti-Ghosting (NKRO)
Compatible Devices	Laptop, PC
Item Weight	1.96 pounds
Package Dimensions	14.37 x 7.44 x 2.01 inches
Manufacturer	CJXSP

9. Warranty and Support

For warranty information and technical support, please contact the manufacturer or your point of purchase. Keep your proof of purchase for warranty claims.
You can visit the Mosptnspg store for more information:[Mosptnspg Store](#)

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

you@example.com

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