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Hexgears Immersion A3

Hexgears Immision A3 Low-Profile Wireless Mechanical Keyboard User Manual

Model: Immersion A3 | Brand: Hexgears

INTRODUCTION

This manual provides comprehensive instructions for setting up, operating, and maintaining your Hexgears Immision A3 Low-Profile Wireless Mechanical Keyboard. Please read this guide thoroughly to ensure optimal performance and longevity of your device.



Figure 1: Hexgears Immision A3 Low-Profile Wireless Mechanical Keyboard

WHAT'S IN THE BOX

- Immersion A3 Three-Mode Low-Profile Mechanical Keyboard
- Type-C USB charging/data cable
- Keycap Puller
- Keyboard dust cover
- User Manual

SETUP

Connection Methods

The Immision A3 keyboard supports three versatile connection modes:

- **2.4GHz Wireless:** For ultra-fast, low-latency connection. Use the included USB dongle.
- **Bluetooth 5.0:** Connects to up to five devices simultaneously. Ideal for switching between multiple systems.
- **USB-C Wired:** Provides a stable and reliable connection, also used for charging.



Figure 2: Three Connection Methods (Bluetooth, 2.4GHz, USB-C)

Compatibility

The keyboard is compatible with a wide range of devices and operating systems, including:

- Windows PC
- Mac (macOS)
- Android devices
- iPadOS devices
- iOS devices

To switch to Mac mode, hold down the FN key and then the Tab key for 5 seconds. The TFT display will indicate the current operating system mode.

Adjustable Feet

The keyboard features adjustable feet with rubber stoppers on the underside, allowing you to set the typing angle for personalized comfort.

OPERATING

RGB Backlighting

Experience dynamic and fully customizable 16.8 million color RGB backlit lighting. Choose from multiple lighting modes to enhance your setup or boost low-light productivity. Lighting modes, brightness, speed, and direction can be adjusted via the onboard TFT display or the Hexgears software.



Figure 3: Vibrant RGB Backlighting

TFT Display & Toggle Switch

The cutting-edge TFT color screen and tactile toggle switch allow for easy customization and real-time status monitoring. You can customize the display with GIFs and wallpapers via intuitive software. The real-time SOC monitor keeps a constant eye on battery levels and connection status. The display also shows date and time.

Display Screen with Toggle Switch

Personalize your ambiance with ease



Figure 4: TFT Display with Customization Options

Hot-Swappable Switches

The keyboard features 3-pin hot-swappable Kailh low-profile tactile switches with a 50 million keypress lifespan. This allows for quick, tool-free modification and customization of your typing experience. Use the included keycap and switch puller to easily change switches.

Kailh 3-Pin Hot-Swappable Switches

Seamless customization



Figure 5: Kailh 3-Pin Hot-Swappable Switches

Battery Life

Powering this wireless mechanical keyboard is a massive 5800mAh battery, delivering up to 50 hours of extended playtime. The battery level can be monitored on the TFT display.

5800 mAh Large Capacity Battery



Figure 6: 5800mAh Battery for Long-Lasting Performance

Compact TKL Design

The 87-key TKL (Tenkeyless) compact layout saves over 20% of desk space compared to full-size keyboards, providing more room for mouse movement and making it a portable option.

Hexgears A3 Switch Detailed Spec

	Kailh White Rain Switch	Kailh Black Cloud Switch	Kailh Hide Mountain Switch
Type	Linear	Tactile	Clicky
Activaton force	50g	45g	50g
Activaton point	1.2mm	1.6mm	1.2mm
Factory-lubed	Yes	Yes	Yes
Bottom out travel	2.8mm	2.8mm	2.8mm
Spring length	15.5mm	15.5mm	15.5mm
Pole length	8.7mm	8.7mm	8.7mm
Stem material	POM	POM	POM
Housing material	POM	POM	POM
Compatibility	Lofree flow	Lofree flow	Lofree flow

Figure 7: Compact TKL Layout

Dedicated Control Buttons

The keyboard features dedicated buttons for media control (play/pause, skip, volume) and connection

mode selection (2.4GHz, Bluetooth 1-3, wired). These buttons are located above the function row for easy access.

SOFTWARE

The Hexgears Immision A3 keyboard is supported by dedicated software for advanced customization. This software allows you to:

- Remap keys and create custom macros.
- Fine-tune RGB lighting effects, colors, brightness, and speed.
- Upload custom GIFs and images to the TFT display.

To upload custom GIFs or images to the TFT screen, connect the keyboard via USB-C and use the Hexgears software. Ensure images are 240x135 pixels for optimal display.

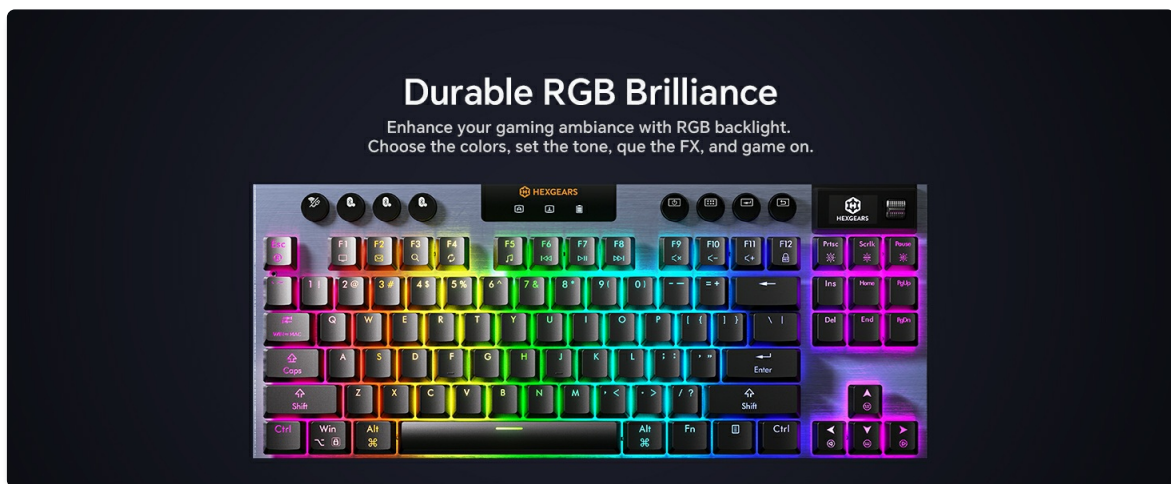


Figure 8: Hexgears Software Interface for Customization

MAINTENANCE

To ensure the longevity and optimal performance of your Hexgears Immision A3 keyboard, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe down the keyboard surface. For deeper cleaning, use a can of compressed air to remove dust and debris from between keycaps.
- **Keycap and Switch Removal:** Use the provided keycap and switch puller for safe removal and replacement. Avoid excessive force to prevent damage.
- **Storage:** When not in use, cover the keyboard with the provided dust cover to protect it from dust and spills.
- **Battery Care:** Avoid fully discharging the battery frequently. Charge the keyboard regularly to maintain battery health.

TROUBLESHOOTING

If you encounter any issues with your Hexgears Immision A3 keyboard, refer to the following common solutions:

- **Inaccurate LCD Clock:** The time displayed on the LCD may be incorrect. Currently, there is no direct way to adjust it via the keyboard. Software may be required for synchronization.
- **Sleep Mode Glitch (Wired Mode):** If the keyboard's backlighting repeatedly turns on and off when the computer goes to sleep while connected via USB, this indicates a sleep mode glitch. Disconnecting and reconnecting the USB cable or switching to wireless mode may resolve this.
- **Wake Function Limitation (Wired Mode):** Pressing a key may not wake the computer from sleep in wired mode. This is a known limitation.
- **Connectivity Issues:** Ensure the correct connection mode (2.4GHz, Bluetooth, USB-C) is selected. For Bluetooth, ensure the keyboard is in pairing mode and visible to your device. For 2.4GHz, ensure the dongle is securely plugged in.
- **RGB Lighting Not Working:** Check the brightness settings on the TFT display or via the software. Ensure RGB lighting is enabled.

SPECIFICATIONS

Feature	Detail
Model Number	Immersion A3
Brand	Hexgears
Connectivity Technology	2.4GHz Wireless, Bluetooth 5.0, USB-C
Keyboard Description	Mechanical
Switch Type	Kailh Low-Profile Tactile (Hot-Swappable)
Backlighting	16.8 Million Color RGB
Special Features	TFT Display Screen, Hot-Swappable, Ultra-Slim Design
Battery Capacity	5800mAh (2 Lithium Ion batteries required)
Item Weight	1.62 pounds
Package Dimensions	15.27 x 7.72 x 1.69 inches
Material	Aluminum (upper cover)

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or visit the official Hexgears website. Keep your proof of purchase for any warranty claims.

OFFICIAL PRODUCT VIDEOS

Your browser does not support the video tag.

Video 1: Hexgears Immersion A3 TKL Low Profile Keyboard - This video provides an overview of the keyboard's low-profile design and features.

Your browser does not support the video tag.

Video 2: Hexgears Immersion A3 TKL Gaming Keyboard - A detailed review covering various aspects of the keyboard's gaming performance and features.