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› [MechLands](#) /

› [MechLands VTER Fighting68 HE Magnetic Gaming Keyboard Instruction Manual](#)

MechLands VTER Fighting68 HE

MechLands VTER Fighting68 HE Magnetic Gaming Keyboard User Manual

Model: VTER Fighting68 HE

Brand: MechLands

1. INTRODUCTION

The MechLands VTER Fighting68 HE Magnetic Gaming Keyboard is engineered for competitive gaming, offering unparalleled speed, precision, and customization. Featuring Hall Effect switches, adjustable actuation points, and an 8KHz polling rate, this 68-key compact keyboard provides a responsive and personalized gaming experience. This manual will guide you through the setup, operation, and maintenance of your new keyboard.

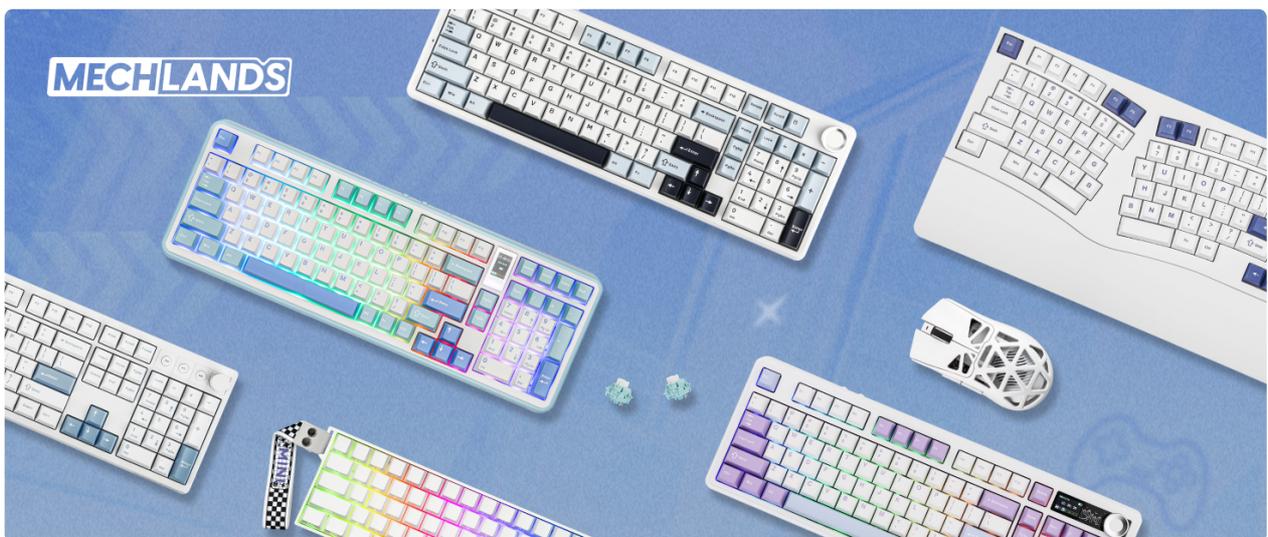


Image: The MechLands VTER Fighting68 HE keyboard showcasing its magnetic switches, adjustable actuation, rapid fast trigger, 8K polling rate, anti-ghosting NKRO, WIN/MAC/Android compatibility, aluminum plate, shine-through keycaps, and north-facing backlights.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- MechLands VTER Fighting68 HE Magnetic Gaming Keyboard
- USB-C Cable
- Keycap Puller
- User Manual / Quick Guide
- Warranty Card

Image: A clear view of the keyboard, USB cable, and documentation included in the product packaging.

3. SETUP INSTRUCTIONS

1. **Connect the Keyboard:** Plug the provided USB-C cable into the port on the keyboard and the other end into an available USB port on your computer or compatible device.
2. **Driver Installation (Optional):** For advanced customization and features, download the web-based driver from the official MechLands website. Follow the on-screen instructions for installation.
3. **Platform Compatibility:** The keyboard is compatible with Windows, Android, Mac OS, and iOS. No additional drivers are typically needed for basic functionality on these operating systems.

Image: The keyboard shown connected to a laptop, tablet, and smartphone, highlighting its compatibility with Windows, Mac OS, Android, and iOS.

4. OPERATING INSTRUCTIONS

4.1 Key Features

- **Adjustable Actuation:** Fine-tune actuation points from 0.1mm to 3.4mm with 0.08mm granular precision for optimal responsiveness in various gaming scenarios.
- **Rapid Trigger (RT):** Keys dynamically actuate and reset based on your intention to press or release, allowing for instant re-actuation without fully lifting the key.
- **Dynamic Keystroke (DKS):** Assign different functions to a single key based on how far it is pressed down. For example, a light press for walking and a full press for running.
- **Snap Tap:** Ensures that when pressing opposite keys (e.g., left and right movement), only the last pressed key registers, enabling faster and more precise directional changes.
- **8KHz Polling Rate:** Experience ultra-low latency with an 8KHz polling rate and 1ms response time, ensuring every keystroke is registered almost instantly.
- **N-Key Rollover (NKRO):** All keys can be pressed simultaneously without any missed inputs, crucial for fast-paced gaming.



Image: The keyboard with graphics illustrating its precision features for esports, including adjustable actuation, rapid trigger, 8K polling rate, and 1ms latency.

4.2 RGB Backlighting

The VTER Fighting68 HE features 16.8 million RGB backlights with 19 vibrant lighting effects. You can control these effects and customize per-key lighting using the web-based driver.

- **Toggle Backlight Effects:** Press **Fn + Enter** to cycle through various lighting effects.
- **Turn Lights On/Off:** Press **Fn + T** to turn the backlights on or off.



Image: The keyboard illuminated with RGB backlighting, showing the key combinations for controlling lighting effects.

4.3 Software Customization

The web-based driver allows extensive customization of your keyboard:

- **Stroke Setting:** Adjust the actuation point and rapid trigger sensitivity for individual keys.
- **Backlight Setting:** Customize RGB lighting effects, colors, and brightness.
- **Key Remapping:** Reassign functions to any key.
- **Macro Editing:** Create and assign complex macros for enhanced productivity or gaming.
- **Profile Management:** Save and switch between different profiles for various applications or games.



Image: The online software interface for customizing the keyboard's settings, including key functions and lighting.

4.4 Video Demonstrations

Video: A detailed review and evaluation of the MADE68 keyboard, demonstrating its features like rapid trigger, DKS, and software customization. This video provides insights into the performance aspects of a magnetic gaming keyboard.

Video: An unboxing and overview of the MADE68 Purple keyboard, showcasing its physical appearance, included accessories, and initial setup. This video helps users visualize the product and its components.

5. MAINTENANCE

5.1 Cleaning

- Regularly clean the keyboard with a soft, dry cloth.
- Use a keycap puller to remove keycaps and clean dust or debris from underneath with compressed air.
- Avoid using harsh chemicals or abrasive materials.

5.2 Hot-Swappable Switches

The VTER Fighting68 HE features hot-swappable magnetic switches, allowing for easy replacement without soldering. This enables customization of your typing or gaming feel.

- Use a switch puller to carefully remove the existing switch.
- Align the pins of the new switch with the sockets on the PCB and press firmly until it clicks into place.
- Ensure the new switch is a compatible magnetic switch.



Image: Demonstration of hot-swappable magnetic switches, highlighting the ease of replacement and the components like magnetic linear switches, hot-swap sockets, plate-mounted stabilizers, and north-facing LEDs.

6. TROUBLESHOOTING

- **Keyboard Not Responding:** Ensure the USB-C cable is securely connected to both the keyboard and the computer. Try a different USB port or cable.
- **Keys Not Registering:** Check if any debris is under the keycap. If using custom switches, ensure they are properly seated. Perform a software calibration if actuation points feel off.
- **RGB Lights Not Working:** Verify that the lights are not turned off (Fn + T). Check lighting settings in the web-based driver.
- **Software Issues:** Ensure your web browser is compatible with the driver (some users report issues with Firefox/Vivaldi, Opera/Edge might work better). Restart the software or your computer.
- **Lag or Missed Inputs:** While the keyboard is designed for ultra-low latency, ensure your system meets the requirements for an 8KHz polling rate. Close unnecessary background applications.

7. SPECIFICATIONS

Feature	Detail
Brand	MechLands
Model	VTER Fighting68 HE
Layout	68-Key Compact (65%)
Switch Type	Hall Effect Magnetic Switches (e.g., Outemu Magnetic Storm Switch)
Actuation Point	Adjustable 0.1mm to 3.4mm (0.08mm precision)
Polling Rate	8KHz
Latency	1ms
Key Rollover	N-Key Rollover (NKRO)
Backlighting	RGB (16.8M colors, 19 effects, North-facing LEDs)
Keycaps	OEM-profile, Shine-through
Connectivity	USB-C Wired (Detachable cable)
Material	Plastic case, Aluminum plate
Product Dimensions	31.1 x 10.2 x 3.5 cm
Weight	699 g
Compatible Devices	Gaming Console, Laptop, PC, Smartphone, Tablet



Image: The compact 65% layout of the Fighting68 HE keyboard, showing its dimensions and space-saving design.



Image: Detailed specifications of the Outemu Magnetic Storm Switch, including travel distance, operating force, termination force, and lifespan.

8. WARRANTY AND SUPPORT

MechLands products are designed for durability and performance. For warranty information, please refer to the warranty card included in your package or visit the official MechLands website. For technical support, product inquiries, or service requests, please contact MechLands customer service through their official channels.

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