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Varmilo VXT67

Varmilo Minilo VXT67 Mechanical Keyboard User Manual

Model: VXT67 | Brand: Varmilo

1. INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your Varmilo Minilo VXT67 Mechanical Keyboard. The VXT67 is a compact 65% form factor keyboard featuring hotswap sockets for easy switch replacement, triple-mode connectivity (wired USB-C, 2.4GHz wireless, and Bluetooth), and RGB LED backlighting.

Please read this manual thoroughly before using the keyboard to ensure proper functionality and to maximize your user experience.



Figure 1: Top-down view of the Varmilo Minilo VXT67 Eucalyptus Mechanical Keyboard, showcasing its compact layout and keycap colors.

2. PACKAGE CONTENTS

Upon opening the package, please verify that all the following items are included:

- Varmilo Minilo VXT67 Mechanical Keyboard
- USB-C to USB-A Cable
- 2.4GHz Wireless Receiver (USB Dongle)
- Keycap Puller
- Switch Puller
- User Manual (this document)



Figure 2: The Varmilo Minilo VXT67 keyboard displayed alongside its packaging box, indicating typical package contents.

3. SETUP AND CONNECTION

The VXT67 keyboard offers three connection modes: wired, 2.4GHz wireless, and Bluetooth. Ensure the mode switch located on the bottom of the keyboard is set to the desired connection type.

3.1 Wired Connection

1. Locate the USB-C port on the keyboard.
2. Connect one end of the provided USB-C cable to the keyboard.
3. Connect the other end (USB-A) to an available USB port on your computer.
4. The keyboard will be automatically recognized and ready for use.

3.2 2.4GHz Wireless Connection

1. Locate the 2.4GHz wireless receiver (USB dongle) in the package.
2. Plug the 2.4GHz receiver into an available USB port on your computer.
3. Ensure the mode switch on the bottom of the keyboard is set to "2.4G" or the corresponding wireless icon.
4. The keyboard should automatically connect. If not, press **Fn + 4** to activate 2.4G pairing mode.

3.3 Bluetooth Connection

The VXT67 can connect to up to three Bluetooth devices.

1. Ensure the mode switch on the bottom of the keyboard is set to "BT" or the Bluetooth icon.
2. To enter pairing mode for a specific slot, press and hold **Fn + 1**, **Fn + 2**, or **Fn + 3** for 3-5 seconds until the corresponding indicator light flashes rapidly.
3. On your device (computer, tablet, smartphone), open Bluetooth settings and search for new devices.
4. Select "Varmilo VXT67" (or similar name) from the list of available devices to pair.
5. Once paired, the indicator light will stop flashing and remain solid.
6. To switch between paired Bluetooth devices, simply press **Fn + 1**, **Fn + 2**, or **Fn + 3** (short press).



Figure 3: The underside of the Varmilo Minilo VXT67 keyboard, highlighting the mode switch for wired, 2.4GHz, and Bluetooth connections, along with the adjustable feet.

4. OPERATING INSTRUCTIONS

4.1 Function Key Combinations (Fn Layer)

The VXT67 utilizes an Fn (Function) key layer to access multimedia controls and system functions. Press and hold the **Fn** key, then press the corresponding key:

- **Fn + F1-F12:** Standard F-row functions (F1-F12 are typically accessed directly, but some keyboards use Fn for them. Assuming standard F-row is accessible via Fn layer for a 65% layout).
- **Fn + Q/W/E:** Switch between Bluetooth devices 1, 2, and 3.
- **Fn + R:** Switch to 2.4GHz wireless mode.
- **Fn + T:** Switch to Wired mode.
- **Fn + Win:** Lock/Unlock Windows key.
- **Fn + Left Alt:** Cycle through RGB lighting modes.
- **Fn + Right Alt:** Adjust RGB brightness (increase).
- **Fn + Right Ctrl:** Adjust RGB brightness (decrease).
- **Fn + Arrow Keys:** Adjust RGB lighting direction/speed (specific functionality may vary).
- **Fn + Backspace:** Reset keyboard to factory defaults (use with caution).

Refer to the keycap legends for specific Fn layer functions, as some keys may have secondary functions printed on them.

4.2 RGB Backlighting Control

The VXT67 features customizable RGB backlighting. Use the following key combinations to control the lighting:

- **Fn + Left Alt**: Cycle through various pre-programmed RGB lighting effects (e.g., static, breathing, wave, reactive).
- **Fn + Right Alt**: Increase backlight brightness.
- **Fn + Right Ctrl**: Decrease backlight brightness.
- **Fn + Up Arrow**: Increase lighting effect speed.
- **Fn + Down Arrow**: Decrease lighting effect speed.
- **Fn + Left Arrow**: Change lighting effect direction or color.
- **Fn + Right Arrow**: Change lighting effect direction or color.



Figure 4: The Varmilo Minilo VXT67 keyboard with its RGB backlighting illuminated, demonstrating the visual effects.



Figure 5: A detailed view of the Varmilo Minilo VXT67's RGB lighting, showing the illumination around and through the keycaps.

4.3 Battery and Charging

The keyboard is equipped with a rechargeable battery for wireless operation. When the battery is low, a flashing indicator light will warn you. The Escape key will light up while the keyboard is charging via the USB-C cable.

5. MAINTENANCE

5.1 Cleaning the Keyboard

- Disconnect the keyboard from your computer before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a mild cleaning solution to wipe down the keycaps and case.
- For dust and debris between keycaps, use compressed air or a small brush.
- Avoid using harsh chemicals or abrasive materials, as they may damage the keyboard's finish.

5.2 Replacing Keycaps and Switches (Hotswap Feature)

The VXT67 features hotswap sockets, allowing you to change mechanical switches without soldering.

1. **Removing Keycaps:** Use the provided keycap puller to gently grip the keycap and pull straight up.
2. **Removing Switches:** Use the provided switch puller. Align the prongs of the puller with the clips on the top and bottom of the switch. Squeeze the clips and gently pull the switch straight up.
3. **Installing Switches:** Align the pins of the new switch with the holes on the PCB. Gently push the switch straight down until it clicks into place. Ensure the pins are not bent.
4. **Installing Keycaps:** Align the keycap with the switch stem and push down firmly until it seats properly.



Figure 6: An angled perspective of the Varmilo Minilo VXT67 keyboard, highlighting the keycap profiles and the overall aesthetic, relevant for maintenance and customization.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Keyboard not responding (Wired)	Loose cable connection, incorrect mode, driver issue.	<p>Ensure USB-C cable is securely connected to both keyboard and computer.</p> <p>Verify the mode switch on the keyboard is set to wired mode.</p> <p>Try a different USB port on your computer.</p> <p>Restart your computer.</p>
2.4GHz wireless not connecting	Receiver not plugged in, incorrect mode, interference, low battery.	<p>Ensure 2.4GHz receiver is plugged into a working USB port.</p> <p>Verify the mode switch is set to 2.4G.</p> <p>Press Fn + 4 to re-pair.</p> <p>Charge the keyboard.</p> <p>Move closer to the receiver or reduce interference.</p>
Bluetooth connection issues	Not in pairing mode, already paired to max devices, low battery, device Bluetooth off.	<p>Ensure the mode switch is set to BT.</p> <p>Press and hold Fn + 1/2/3 to enter pairing mode for the desired slot.</p> <p>Ensure Bluetooth is enabled on your device.</p> <p>Forget the device on your computer and re-pair.</p> <p>Charge the keyboard.</p>

Problem	Possible Cause	Solution
RGB lighting not working or stuck	Lighting off, software conflict, temporary glitch.	Press Fn + Left Alt to cycle through modes. Increase brightness using Fn + Right Alt . Try restarting the keyboard (unplug/replug or power cycle). Perform a factory reset (Fn + Backspace - use with caution as it resets all settings).
Specific keys not responding	Faulty switch, debris under keycap/switch.	Remove the keycap and switch (refer to Maintenance section). Check for any debris in the hotswap socket. Re-insert the switch firmly, ensuring pins are straight. If the issue persists, try replacing the switch with a known working one.

7. SPECIFICATIONS

Brand	Varmilo
Model	VXT67
Keyboard Description	Mechanical
Connectivity Technology	Bluetooth, USB-C, 2.4GHz Wireless
Compatible Devices	PC
Keyboard Backlighting	RGB
Keycap Material	ABS Double Shot (1.5mm thick)
Special Features	Hotswap Sockets, Triple Mode, Indicator Light, Type-Cool Sound Dampening
Color (Switch Type)	Cherry MX Brown (Eucalyptus color scheme)
ASIN	B0BLPBYJW8
First Available	November 7, 2022

8. WARRANTY AND SUPPORT

Varmilo products are manufactured to high quality standards. For information regarding warranty coverage, please refer to the warranty card included with your product or visit the official Varmilo website.

For technical support, troubleshooting assistance beyond this manual, or inquiries about replacement parts, please contact Varmilo customer service through their official website or the retailer from whom you purchased the product.

Official Varmilo Store on Amazon: [Varmilo Store](#)

Related Documents - VXT67

	<p><u>Varmilo Mechanical Keyboard User Manual and Features</u></p> <p>Comprehensive guide to the Varmilo Mechanical Keyboard, covering features, setup, connectivity (Bluetooth, 2.4G, wired), key macro programming, customizable lighting effects, and troubleshooting. Includes detailed instructions for various functions and settings.</p>
	<p><u>Varmilo Mechanical Keyboard User Manual</u></p> <p>Comprehensive user manual for Varmilo mechanical keyboards, covering features, daily maintenance, layout, indicator lights, mode switching, Bluetooth connection, lighting effects, power saving, and other functions.</p>
	<p><u>Varmilo Victory 67 Series VYU67 User Manual</u></p> <p>User manual for the Varmilo Victory 67 Series VYU67 mechanical keyboard, covering features, operation, maintenance, customization, and support resources.</p>
	<p><u>Varmilo Minilo75 Pro Mechanical Keyboard User Manual</u></p> <p>User manual for the Varmilo Minilo75 Pro mechanical keyboard, detailing its features, layout, connectivity options (wired, Bluetooth, 2.4G), lighting effects, multimedia functions, system switching, warranty information, and FCC compliance.</p>
	<p><u>Varmilo Mechanical Keyboard User Manual and Features</u></p> <p>Comprehensive guide to Varmilo mechanical keyboards, covering features, daily maintenance, layout, indicator lights, connectivity options (wired, Bluetooth, 2.4G), multimedia functions, lighting effects, power saving, and troubleshooting.</p>
	<p><u>Varmilo Mechanical Keyboard User Manual and Guide</u></p> <p>Comprehensive guide to Varmilo mechanical keyboards, covering product features, daily maintenance, layout, connectivity options (Bluetooth, 2.4G), lighting effects, multimedia functions, Mac compatibility, driver software, and warranty information.</p>