



VARMILO VCS87 Mechanical Keyboard User Guide

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Preface

Varmilo comes from Esperanto 'Via' 'armilo', which means the unique keyboard customized for you. We were born to meet customer's personality and variety as well as keep good craftsmanship and stable quality. Varmilo is aiming at beautifying your desk setup by the endless improvement and boundless innovation!

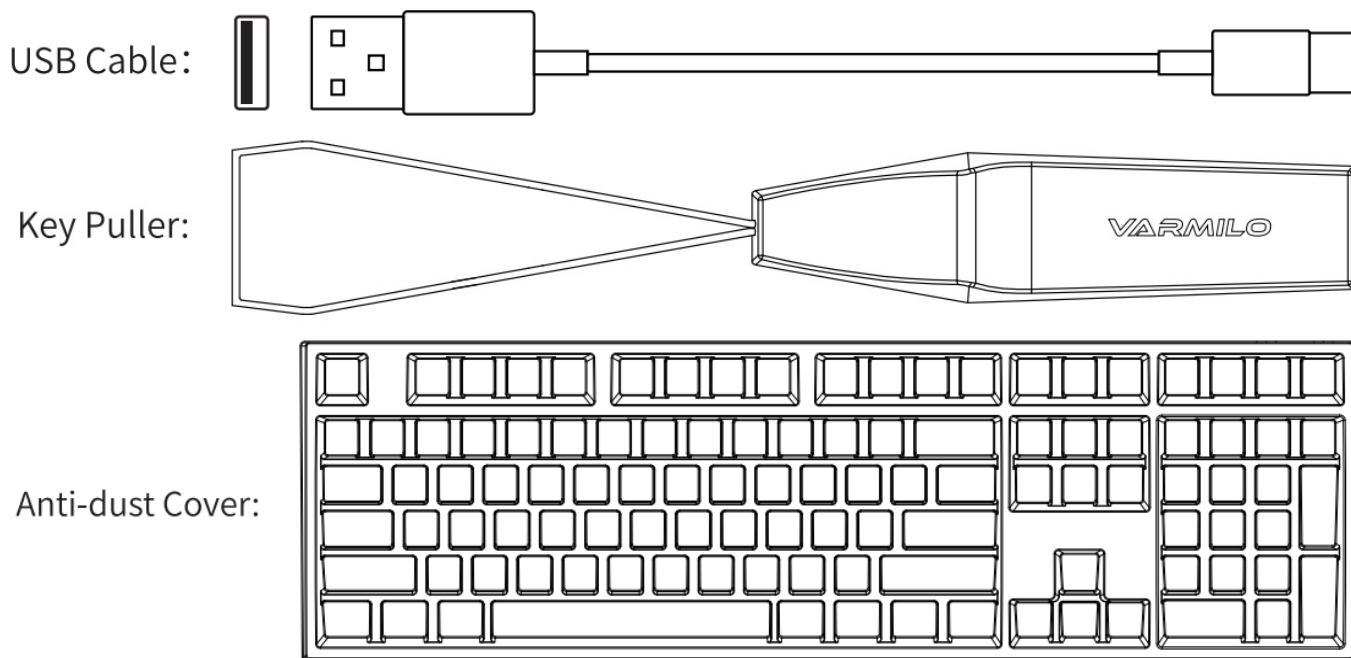
Product Feature

The new series of Varmilo mechanical keyboards use high quality mechanical switches and Varmilo's own EC switches to guarantee the stable internal structures and tactility

Daily Maintenance

To clean a keyboard, pull out the keycaps using a key puller, put the keyboard upside down, pat the back of the keyboard to pour out impurity, and brush off the impurity and dust that are adhered to the keys. If residuals exist, wipe them off using a clean cloth with some alcohol. After that, dry the keyboard in a cool and ventilated place. To avoid a loose or fallen USB port, do not frequently plug, unplug, drag or bend a keyboard cable, especially for a keyboard with separate cable and keys.

Standard accessories list



Bluetooth mode boot

- Press FN+Insert for 3 seconds to switch on the keyboard (If F1,F2,F3,F4 flashing or F4 is always on, then the keyboard has been turned on)
- The LED under F4 key is a 2.4G indicator. If a 2.4G adapter is plugged into the computer. Please press Fn + F4 to enter the 2.4G mode after turning on the keyboard. The LED under F4 keys always on under 2.4G mode. If the adapter is not plugged in the computer, the LED under F4 key flashes.

Device connection

- After switching on the keyboard, you need to search the keyboard on your PC. The keyboard shows as "Varmilo VD-1"(Varmilo VD-2 for F2 Channel and Varmilo VD-3 for F3 Channel)
- The first time for the keyboard to pair with you device needs to enter a code. After you entered the code, you

can press the 'Enter' key to confirm the connection. If the keyboard connected successfully with your device, the LED of F1 key will keep on and keyboard information is saved. (F2 and F3 channel would be the same)

- After the 2.4G adapter plugged into the computer, press Fn + F4 to switch to the keyboard 2.4G mode. If the keyboard is connected successfully, the LED under F4 key is always on.
- Memory function: If there is a connected device, it will connect with the last connected device directly after the keyboard turned on. (Bluetooth transmission time is 3 minutes, if there is no device connected within the time, the keyboard will automatically enter the sleep mode; if the computer end signal is not detected under the 2.4G mode Then the F4 light flashes 10 times then goes to sleep).

Power off

- Under Bluetooth mode and 2.4G mode, you can press FN+Insert for 3 seconds to turn off the keyboard.
- If the keyboard is turned off, you can still use it by plugging in the USB cable, it will work under Wired mode.

Bluetooth / 2.4G mode to Wired mode

- Under Bluetooth mode and 2.4G mode, when you plugged in the USB cable, you can change it to Wired mode by pressing FN+Delete, at the same time all the channel indicator LED will be off.

Device Swapping

- Under wired mode, press Fn + Delete to connect to the last paired Bluetooth / 2.4G device. If the device has not been connected to any devices, the indicator LED (F1, F2, F3 or F4) flashes and the keyboard will be in pairing mode.
- Under wired mode, press Fn + F1 ~ F4 to switch to the Bluetooth / 2.4G device of the corresponding channel. If the corresponding channel has not been connected to Bluetooth / 2.4G device, the indicator LED will flash, and the corresponding key position pairing mode (The same for Bluetooth / 2.4G mode).
- Under wired mode, unplug the USB cable, the keyboard will switch to Bluetooth / 2.4G mode automatically, and connect to the paired Bluetooth or 2.4G device. Under Bluetooth mode or 2.4G mode, plug in the USB cable and press Fn + Delete to switch the keyboard to wired mode. At this time, the F1, F2, F3 key's Bluetooth indicator LED or F4 key's 2.4G indicator LED is off.

System Compatibility

- Bluetooth mode is only compatible with Windows 8, Windows 10, Mac OS under wireless mode Mac's own shortcut keys excluded (built-in or external bluetooth4.0 and above)

Power saving mode:

- 5 minutes sleep without operation: Press Fn+Key '1' for 5 seconds till CapsLock flash for 3 times.
- 30 minutes sleep without operation: Press Fn+Key '2' for 5 seconds till CapsLock flash for 3 times.
- Press Fn+Key '3' for 5 seconds till CapsLock flash for 3 times, will keep the keyboard awake.

Re-paired

- You can press FN+F1/F2/F3 for 5 seconds(the corresponding channel) to stop the connect with your device, and the keyboard will swap to the pair mode and could be connected to new devices.

Low-battery reminder

- The LED under ESC flashes means that the keyboard is low battery and you need to replace the battery as soon as possible.

Multi-media functions

- Varmilo mechanical keyboards are featured with rich multi-media functions. To enable a multi-media function, press Fn and the key corresponding to the function.

Key Combinations	Mode Name	Key Combinations	Mode Name
Fn + ◀◀	Last song	Fn + 🔕	Mute
Fn + ▶▶	Pause/Play	Fn + 🔊	Volume -
Fn + ▶▶▶	Next song	Fn + 🔊	Volume +

One key reset

- Pressing Fn+Esc for more than 5 seconds, the CapsLock light flashes for three times, the keyboard will restore to default settings.

Other functions

- Fn+ Right Ctrl: Application Key.
- Fn+Win: Enable/Disable Win key.
- Fn+left Win (more than 3 seconds), CapsLock flashes three times, Fn and left Win key swapped.
- Fn+left Ctrl (more than 3 seconds), CapsLock flashes three times, Capslock and left Ctrl key swapped.
- The keyboard is 6 key rollover under wireless mode. And it's also 6 key rollover under wired mode in the default settings, you can press FN+S for 5 seconds till CapsLock flash for 3 times, to swap it to NKRO.

Multi-Media Keys

110% Size Special Functions

Music player



Email



Calculator



My PC



Warranty card

1. Dear users,thank you for great trust and support to Varmilo.In order to protect your legal rights and offer the best service,our company provides you with the after-sales service strictly in accordance with the laws of People's Republic of China.
2. The purchased product will be no longer under free warranty with the following conditions:
 1. Exceed 1 year warranty period.
 2. Damage caused by man-made(self-demolition,water splash,ash contamination,input current and voltage inappropriate)
 3. Natural disasters(such as floods,fire,rodents)However,you will still be entitled to the paid maintenance service provided by Varmilo.
3. Consumables(such as the foot pad,anti-skid stickers,ect.)and gifts accessories are not under free warranty.
4. Please refer to the Varmilo Product Troubleshooting at <http://www.varmilo.com> or contact Varmilo sales representative before you request repair and replacement service.If the mentioned solutions can not solve your problem,you can deliver the product or accessory to an authorized dealer or Varmilo for testing.We will provide you with relevant services as soon as possible.Before submitting the product or accessories,please be sure to remove the non-standard parts and the customized parts in advance to avoid any lost or damage,such as:customized keycap, accessories from other manufactures,private logo and so on.
5. Varmilo reserves the right of final interpretation and ownership of this manual. Please pay close attention to subsequent product update. Thank you!

Model No.		Serial No.		Manufacturing Date	
Name		Tel.No.		Purchasing Date	
Add					
Problem Description:					

Official Website



Weibo



Instagram



Twitter



FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

FCC ID: 2AF80-VCS87

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Documents / Resources



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VCS87, 2AF80-VCS87, 2AF80VCS87, VCS87 Mechanical Keyboard, Mechanical Keyboard

References

- [varmilo 阿米洛机械键盘](#)
- [varmilo 阿米洛机械键盘](#)