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EPOMAKER NIZ X87

EPOMAKER Niz X87 Electro-Capacitive Keyboard User Manual

Model: NIZ X87

1. Introduction

This manual provides detailed instructions for the setup, operation, and maintenance of your EPOMAKER Niz X87 Electro-Capacitive Keyboard. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

2. Package Contents

Verify that all items are present in your product package:

- EPOMAKER Niz X87 Electro-Capacitive Keyboard
- USB-C cable
- Keycap puller
- Additional springs (for adjusting key weight)
- Extra Mac keycaps
- 2021 version Switch tester

3. Product Overview

The EPOMAKER Niz X87 is a 2021 T series electro-capacitive keyboard designed for a smooth and reliable typing experience. It combines the silent operation of a rubber dome keyboard with the tactile feedback of a mechanical keyboard.

Key Features:

- **2021 T Series X87 Design:** Updated keycap craftsmanship and upgraded PCB for enhanced durability and typing feel. Includes Mac supplementary keycaps and a switch tester.
- **35g Electro-Capacitive (EC) Switches:** Offers a gentle typing feel. Users can add 10g springs (included) to increase percussion.
- **Full Key Programmable:** Each key can be macro-defined and individually customized using the programming software. Features a USB-C connection.

- **Adjustable Trigger Key Stroke:** Trigger keys can be adjusted between 2mm and 3mm. Fine-tuning of 0.1mm is available via the programming software.
- **Durable PBT Keycaps:** Laser-engraved PBT keycaps are resistant to oils and wear.
- **Ergonomic Design:** Two-stage support leg structure and high damping anti-skid pads for stability. Key line separation structure with a three-way outlet groove for cable management.

Figure 1: Front view of the EPOMAKER Niz X87 Electro-Capacitive Keyboard.

Figure 2: Top-down view of the EPOMAKER Niz X87 keyboard layout.

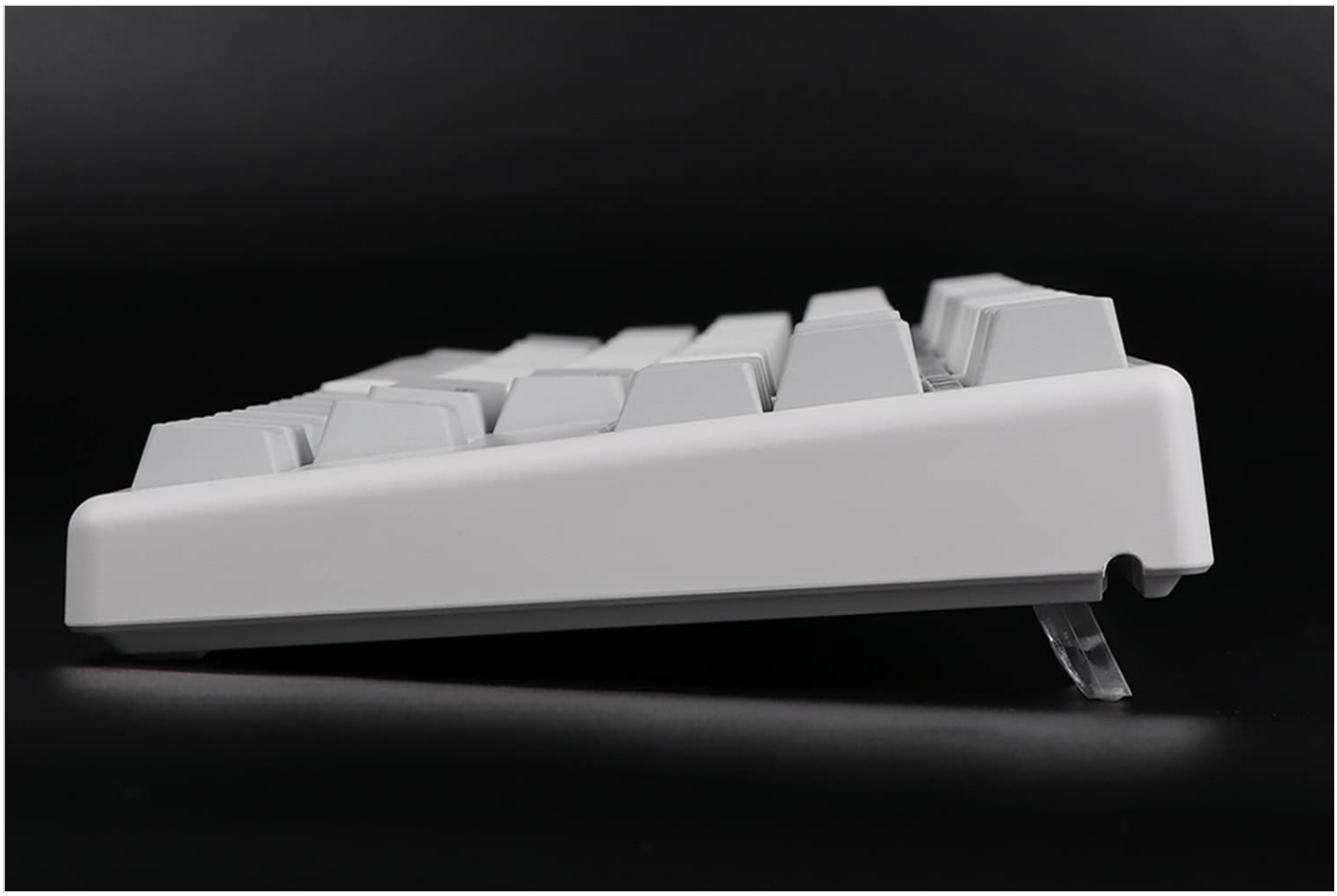

Figure 3: Side view of the EPOMAKER Niz X87 keyboard showing the adjustable support leg.

4. Setup Instructions

1. **Unpack the Keyboard:** Carefully remove the keyboard and all accessories from the packaging.
2. **Connect the USB-C Cable:**
    - Insert the USB-C end of the provided cable into the port on the back of the keyboard.
    - Connect the other end of the cable (USB-A) to an available USB port on your computer (Laptop or PC).

    The keyboard is plug-and-play and should be recognized by your operating system automatically.
3. **Adjust Keyboard Angle (Optional):** Extend the two-stage support legs located on the underside of the keyboard to achieve your preferred typing angle.
4. **Install Software (Optional for Customization):** For full key programmability and adjustable trigger stroke features, download the official EPOMAKER software from the manufacturer's website. Follow the software installation instructions.

5. Operating Instructions

Basic Usage:

The EPOMAKER Niz X87 functions as a standard QWERTY keyboard. Simply begin typing after connecting it to your computer.

Key Customization and Macros:

Utilize the dedicated software to:

- **Program Individual Keys:** Assign new functions or macros to any key on the keyboard.
- **Create Macros:** Record and assign sequences of keystrokes to a single key for increased efficiency.
- **Adjust Trigger Stroke:** Modify the actuation point of the keys between 2mm and 3mm. The software also allows for fine-tuning in 0.1mm increments. After adjustment, the firmware will be written, and the setting will persist after reboot.

Refer to the software's help documentation for detailed instructions on programming and macro creation.

Switch Customization (Optional):

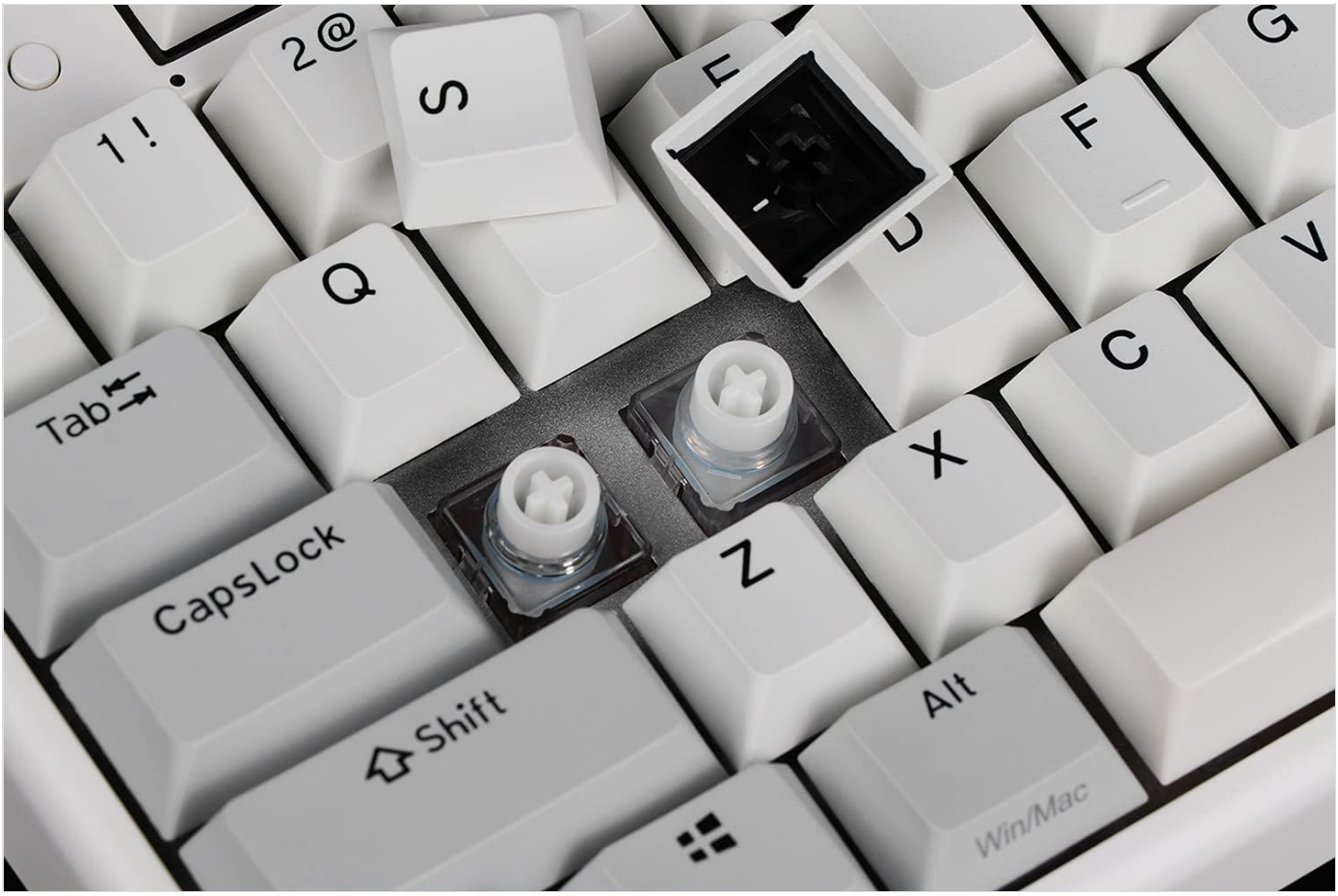

Figure 4: View of the keyboard with keycaps removed, showing the electro-capacitive switches and additional springs.

The keyboard comes with 35g electro-capacitive switches. If you prefer a heavier keypress, you can use the included 10g springs. To install:

1. Use the keycap puller to carefully remove the desired keycaps.
2. Place a 10g spring onto the stem of the switch.
3. Re-attach the keycap, ensuring it is securely seated.

The included switch tester can be used to experiment with different spring weights before full installation.

Figure 5: Close-up of an electro-capacitive switch with the keycap removed.

6. Maintenance

- **Cleaning:** Use a soft, dry cloth to wipe the keyboard surface. For deeper cleaning, use a keycap puller to remove keycaps and clean underneath with compressed air or a small brush. Avoid using harsh chemicals or abrasive materials.
- **Cable Care:** Avoid bending or twisting the USB-C cable excessively to prevent damage. Utilize the three-way outlet groove for proper cable routing.
- **Storage:** When not in use for extended periods, store the keyboard in a dry, dust-free environment.

7. Troubleshooting

Keyboard Not Responding:

- Ensure the USB-C cable is securely connected to both the keyboard and the computer.
- Try connecting the keyboard to a different USB port on your computer.
- Test the keyboard on another computer to rule out a computer-specific issue.
- Restart your computer.

Keys Not Registering or Double-Typing:

- Check for any debris or foreign objects under the affected keycaps. Remove keycaps with the provided puller and clean.
- If using custom trigger stroke settings, try resetting them to default via the software.

Custom Settings Not Applying:

- Ensure the customization software is installed correctly and running.
- Verify that you have saved and applied the settings within the software.
- Update the keyboard firmware if an update is available through the software.

8. Specifications

Feature	Detail

Brand	EPOMAKER
Model Number	NIZ X87
Connectivity Technology	USB-C (Wired)
Switch Type	Electro-Capacitive (EC)
Key Weight	35g (adjustable with 10g springs)
Number of Keys	87
Keycap Material	PBT (Laser-engraved)
Keyboard Layout	QWERTY
Product Dimensions (L x W x H)	14.29" x 5.35" x 1.61"
Item Weight	850 Grams
Compatible Devices	Laptop, PC

9. Warranty and Support

For warranty information and technical support, please refer to the official EPOMAKER website or contact their customer service directly. Keep your purchase receipt for warranty claims.

EPOMAKER Official Website: www.epomaker.com

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