

Realforce R3SB31

Realforce Topre R3S Keyboard User Manual

Model: R3SB31

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1. INTRODUCTION

This manual provides instructions for the Realforce Topre R3S Full Size Keyboard. This keyboard features laser printed PBT keycaps and full N-Key Rollover (NKRO) support, designed for reliable performance and a consistent typing experience.

2. KEY FEATURES

- **Full-size Layout:** Features a 104 + 4 key layout for comprehensive functionality.
- **USB-A Connectivity:** Equipped with a non-detachable cable for a stable USB-A computer connection.
- **Durable Keycaps:** Utilizes laser printed PBT keycaps for enhanced durability and legend longevity.
- **N-Key Rollover (NKRO):** Supports full NKRO, allowing all keys to be registered simultaneously without ghosting.
- **Topre Capacitive Switches:** Incorporates genuine Topre capacitive switches for a unique tactile feel and quiet operation.
- **Actuation Point Changer (APC):** Allows adjustment of the switch actuation point to 0.8mm, 1.5mm, 2.2mm, or 3.0mm to customize typing feel.

3. SETUP GUIDE

3.1 Unpacking

Carefully remove the keyboard from its packaging. Ensure all components, including the keyboard and its integrated USB cable, are present and undamaged.

3.2 Connecting the Keyboard

1. Locate an available USB-A port on your computer.
2. Plug the USB-A connector of the keyboard's integrated cable into the USB-A port on your computer.
3. The operating system should automatically detect and install the necessary drivers. No additional software installation is typically required for basic functionality.



Figure 3.2.1: Top view of the Realforce Topre R3S Keyboard, showing the full layout and integrated USB cable.



Figure 3.2.2: Bottom view of the Realforce Topre R3S Keyboard, illustrating the cable routing channels for organized desk setup.

4. OPERATION

4.1 Basic Typing

The Realforce R3S keyboard functions as a standard full-size keyboard. Simply begin typing after connecting it to your computer. The Topre capacitive switches provide a distinct tactile feel without a physical click, offering a smooth and responsive typing experience.

4.2 Actuation Point Changer (APC) Function

The APC feature allows you to customize the actuation point of individual keys. This means you can set how far down a key needs to be pressed before it registers. The available settings are 0.8mm, 1.5mm, 2.2mm, and 3.0mm.

To adjust the APC settings, you will need to download and install the official Realforce software from the manufacturer's website. Refer to the software's user interface for detailed instructions on how to configure actuation points for specific keys or groups of keys.

5. MAINTENANCE

5.1 Cleaning the Keyboard

- **Disconnect:** Always disconnect the keyboard from your computer before cleaning.
- **Dust Removal:** Use a can of compressed air to remove dust and debris from between the keycaps.
- **Surface Cleaning:** Wipe the keycaps and keyboard surface with a soft, lint-free cloth lightly dampened with water or a mild, non-abrasive cleaning solution. Avoid excessive moisture.
- **Avoid Harsh Chemicals:** Do not use strong solvents, alcohol, or abrasive cleaners, as these can damage the keycap legends or the keyboard's finish.

5.2 Keycap Removal (Advanced)

If deeper cleaning is required, keycaps can be carefully removed using a keycap puller. Exercise caution to avoid damaging the switches. Reinstall keycaps by aligning them with the switch stem and pressing down gently until they click into place.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Keyboard not responding	Loose USB connection, incorrect port, driver issue.	Ensure the USB cable is securely plugged into both the keyboard and the computer. Try a different USB-A port on your computer. Restart your computer. Check Device Manager (Windows) or System Information (macOS) to see if the keyboard is recognized.
Keys not registering or ghosting	Software conflict, physical debris under keycap.	Clean the keyboard as described in the Maintenance section. Ensure no other keyboard software is interfering. If using APC, ensure settings are correctly applied via the Realforce software.
Keyboard does not sit flat on surface	Uneven surface, manufacturing variation.	Ensure the surface the keyboard is placed on is flat and even. Check the rubber feet on the bottom of the keyboard for any damage or unevenness. If the issue persists and affects usability, contact Realforce customer support.

7. SPECIFICATIONS

Attribute	Detail
Brand	Realforce
Model Number	R3SB31
Product Dimensions	17.91 x 5.59 x 1.5 inches (45.5 x 14.2 x 3.8 cm)
Item Weight	3.08 pounds (1.4 kg)
Manufacturer	Topre Corporation

Attribute	Detail
Connectivity Technology	USB-A (Non-detachable cable)
Keyboard Description	Mechanical (Topre Capacitive Switches)
Keycap Material	Laser Printed PBT
N-Key Rollover	Full NKRO Supported
Actuation Point Settings	0.8mm, 1.5mm, 2.2mm, 3.0mm (adjustable via software)
Compatible Devices	Laptop, PC
Color	Topre 45g (Black All45g style)
Material	Acrylonitrile Butadiene Styrene

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your product or visit the official Realforce website. Warranty terms and conditions may vary by region and retailer.

For technical support, product inquiries, or service requests, please contact Realforce customer support through their official channels. Keep your purchase receipt and product model number (R3SB31) available when contacting support.

Realforce Store: [Visit the Realforce Store on Amazon](#)

