

Realforce R3SD11

Realforce R3S TKL Keyboard Instruction Manual

Model: R3SD11

INTRODUCTION

This manual provides detailed instructions for the Realforce R3S TKL Keyboard, model R3SD11. This keyboard is designed with Topre Silent 45g switches, durable laser-printed PBT keycaps, and supports full N-key rollover (NKRO) for precise input. Please read this manual thoroughly before using your keyboard to ensure proper setup and operation.

SETUP

1. Unboxing

Carefully remove all components from the packaging. The box should contain the following items:

- Realforce R3S TKL Keyboard
- USB Cord (attached)
- FCC Certification document

2. Connecting the Keyboard

The Realforce R3S TKL Keyboard features a non-detachable USB-A cable. Connect the USB-A connector directly to an available USB port on your computer or compatible device.



Image: Top-down view of the Realforce R3S TKL Keyboard, showing the standard 87-key layout.

3. Cable Management

The keyboard features integrated cable routing channels on its underside, allowing you to direct the USB cable to the center, left, or right side for a tidy desk setup.



Image: Bottom view of the Realforce R3S TKL Keyboard, highlighting the cable routing channels and product label.

4. System Compatibility

The keyboard is compatible with a wide range of operating systems:

- Windows 10, Windows 11
- macOS 10.15 Catalina, macOS 11 Big Sur, macOS 12 Monterey, macOS 14 Sonoma
- ChromeOS 134, ChromeOS 137
- Ubuntu 20.04 Focal Fossa, Ubuntu 22.04 Jammy Jellyfish
- iPadOS 13, iPadOS 14, iPadOS 15, iPadOS 16, iPadOS 17

OPERATING INSTRUCTIONS

1. Basic Typing

Once connected, the keyboard functions as a standard QWERTY layout keyboard. Simply begin typing.

2. Topre Silent Switches

This keyboard utilizes Topre Silent 45g switches, which provide a tactile feel with reduced noise compared to standard

mechanical switches. The electrostatic capacitive non-contact design ensures high durability and a smooth keystroke.



Image: Exploded view of a Tpre switch, illustrating its internal components.



Image: Side profile of the Realforce R3S TKL Keyboard, showing the keycap height and ergonomic angle.

3. Full N-Key Rollover (NKRO)

The keyboard supports full N-key rollover, meaning every key press is registered independently, even when multiple keys are pressed simultaneously. This prevents ghosting and ensures accurate input, particularly useful for fast typing or gaming.

4. PBT Keycaps

The keycaps are made from Polybutylene Terephthalate (PBT) plastic, known for its durability and resistance to shine over time. The legends are laser-printed for long-lasting visibility.

5. Customizable Software and APC Function

The Realforce R3S TKL Keyboard supports customizable software (Realforce R3 Software) which allows for advanced settings, including the Adjustable Actuation Point (APC) function. This feature enables users to change the key registration point (e.g., 0.8mm, 1.5mm, 2.2mm, 3mm) to suit individual typing preferences.

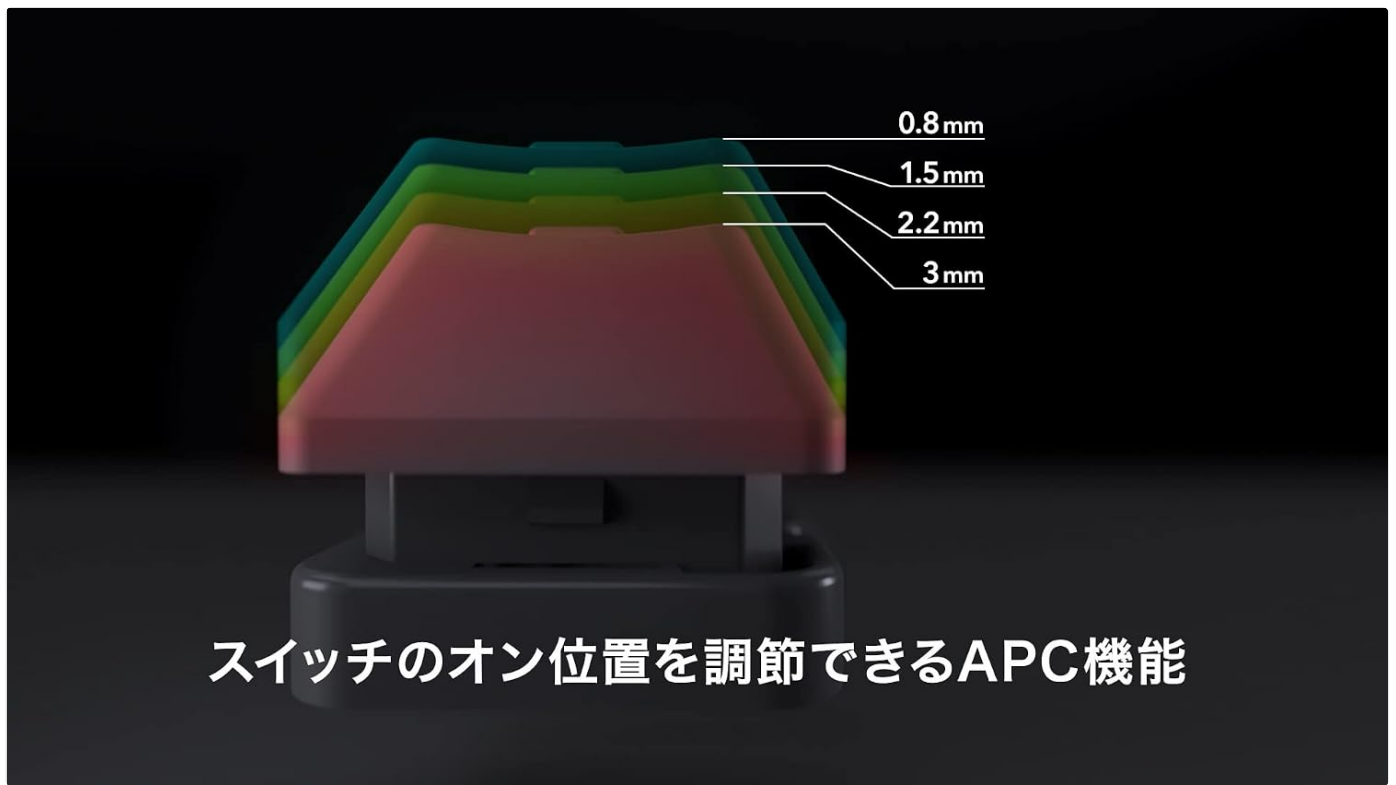


Image: Diagram showing different actuation points (0.8mm, 1.5mm, 2.2mm, 3mm) for the APC function.



Image: Screenshot of the Realforce R3 customization software interface, displaying options for key remapping and APC settings.



Image: Graph illustrating the force (gf) versus travel (mm) for a Realforce switch, demonstrating the 'feather-key touch' characteristic.

MAINTENANCE

Cleaning the Keyboard

To maintain your keyboard's performance and appearance, regular cleaning is recommended:

- 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 the keycaps and casing. Avoid harsh chemicals.
- For dust and debris between keys, use compressed air.
- Do not immerse the keyboard in any liquid.

TROUBLESHOOTING

Keyboard Not Responding

- Ensure the USB 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 determine if the issue is with the keyboard or the original computer's setup.
- Restart your computer.

Keys Not Registering

- Check for any physical obstructions under the keycaps.
- Ensure no software conflicts are present (e.g., other keyboard drivers or utilities).
- If using the customization software, ensure settings are correctly applied and not causing unintended behavior.

SPECIFICATIONS

Brand	Realforce
Model Number	R3SD11
Connectivity Technology	USB-A (Wired)
Switch Type	Topre Silent 45g (Tactile)
Keycaps Material	Polybutylene Terephthalate (PBT)
Keycap Printing	Laser Printed
Keyboard Layout	QWERTY, Tenkeyless (TKL)
Number of Keys	87
Special Features	Full N-Key Rollover (NKRO), Adjustable Actuation Point (APC) via software
Compatible Operating Systems	Windows 10/11, macOS (10.15-14), ChromeOS (134-137), Ubuntu (20.04, 22.04), iPadOS (13-17)
Included Components	Keyboard, USB Cord, FCC Certification

WARRANTY

This Realforce R3S TKL Keyboard comes with a **1-year limited repair warranty** from the manufacturer, Topre Corporation. Please retain your proof of purchase for warranty claims.

SUPPORT

For technical assistance, warranty inquiries, or further information regarding your Realforce R3S TKL Keyboard, please contact Topre Corporation, the manufacturer. You may also visit the official Realforce store on Amazon for additional resources: [Realforce Amazon Store](#).